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1913-14



Founded in 1837

LOUISVILLE
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University of Louisville

College of Arts and Sciences

FOUNDED IN 1837

JENNE-FOWLER COMPANY
INCORPORATED

Louisville, Kentucky

1913

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Address all communications to

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College of Arts and Sciences.
119 WEST BROADWAY.



The University does not offer any courses in studies preparatory for college. There are many good secondary schools in Louisville, and three good public high schools, in any of which students may receive adequate preparation. Classes *for beginners* in the ancient and modern languages are organized in the college, however, for the benefit of those who may wish *after matriculation* to enter upon the study of these languages, *but these courses do not count for honors*. Undergraduate and graduate courses are offered in sixteen departments during the present year.

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HISTORY

of the

University of Louisville



The University of Louisville was founded in 1837 by a decree of the City Council, and the tract of land comprising the town block between Eighth and Ninth Streets, extending south from Chestnut, was granted to the corporation chartered by an act of the Legislature of Kentucky "for the establishment of a university for the promotion of every branch of science, literature, and the liberal arts." A special subsidy of \$50,000 was also allowed for the construction of suitable buildings. This enactment of the civic government speaks well for the intelligence and forethought of Louisville when it was nothing more than a village, and these facts, indicating the provision and solicitude of their grandfathers for the cultivation of higher learning and purer citizenship, are worth recalling to their descendants.

Soon after the appropriation made by the City Council for a university, the College of Medicine and the College of Law were put in active operation. The College of Medicine of the University of Louisville is thus the second oldest medical school now in existence west of the Alleghanies. By the recent coalition of the medical schools of Louisville, embracing the College of Medicine of the University of Louisville, organized in 1837, the Kentucky School of Medicine, 1850, the Louisville Medical College, 1869, the Hospital College of Medicine, 1873, and the Medical Department of the Kentucky University (now Transylvania University), 1898, new property, greater prestige, and wider influence were added to the old institution, thus making it one of the strongest of its class in the country, and promising for the future the maintenance of increasingly higher standards to satisfy the increasing requirements demanded by the State medical boards. The additions that have also been made to the laboratories and clinical facilities of this department make it one of credit to the city and of distinct usefulness to the State and country.

20,000 Graduated

The five schools of combined medicine have graduated altogether in the past more than 20,000 alumni. Dr. J. M. Bodine is the President Emeritus of the Medical Faculty; Dr. J. B. Marvin, President; Dr. W. Ed Grant, Dean of the College; Dr. David B. Morton, Assistant Dean; Dr. Philip F. Barbour, Secretary; Dr. Hugh N. Leavell, Controller. The Faculty includes about ninety surgeons and physicians, a number of whom stand at the top of the medical profession in America. The College of Medicine has again been placed in Class A by the Council on Medical Education of the American Medical Association.

The Law Department of the University of Louisville is, with one exception, the oldest law school in the South. It has graduated about 1,400 students, many of whom are practicing their profession or filling offices of public trust in most of the States of the Union. Not a few of the graduates of the Law College are located in Louisville, and have attained high rank in the legal profession of the city.

Recently the corps of instructors has been increased, and the mode of teaching has been supplemented by the best modern methods employed at Harvard, Columbia, and other universities of prominence.

From these few words it will be seen that the old and reputable College of Law of the University of Louisville has kept pace with progress, and that it is a worthy co-adjutor with the College of Medicine in training young men for useful and honorable professional life. Judge C. B. Seymour is Dean of the College of Law, and with his Faculty stands high in the respect and confidence of Louisville.

To Carry Out First Design

The College of Arts and Sciences was added to the University of Louisville in 1907, to carry out the founders' original design of establishing departments for the promotion of science, literature, and the liberal arts. This College is at present supported by an appropriation from the City of Louisville of \$25,000 a year.

The Trustees have recently passed, with reference to the development of the University, a resolution of which the following is a part:

"That the Executive Committee of the board is authorized, empowered and directed to undertake the accomplishment of the following things as speedily as may be:

"(a) The acquisition by donation of an appropriate tract of land within the city limits of the city of Louisville, or, at all events,

adjacent thereto, containing not less than thirty acres, for the use of the College of Arts and Sciences, with the provision, that in the event the Board of Trustees should determine to do so, buildings for the use of the College of Medicine and of the College of Law, and any other college or school, which may be erected thereon.

“(b) The donation of not less than five hundred thousand (\$500,000) dollars, to be used for the construction of the necessary buildings on the lands that may be acquired for the use of the College of Arts and Sciences, and for adapting the lands themselves to the use designed.

“(c) The passage of a joint resolution by the General Council of the city of Louisville declaring it to be a fixed municipal policy to appropriate annually, from the public funds of the city, for the general use of the university, to be expended by the Board of Trustees, not less than fifty thousand (\$50,000) dollars for the fiscal year ending August 1, 1914; not less than seventy-five thousand (\$75,000) dollars for the fiscal year ending August 1, 1915; and not less than one hundred thousand (\$100,000) dollars for every year thereafter; and pledging the faith of the city government to make all such appropriations.”

The College of Arts and Sciences of the University of Louisville does not claim to rival the older and longer-established colleges, but it does claim to have an adequate equipment and a good Faculty, competent to give instruction in courses which lead to an honorable Bachelor's or Master's degree. The doctorate will not be granted at present. The requirements for admission to the college conform to an approved standard, and credit will not be given for work done elsewhere than in a college of good standing, nor will credit be given for work done *in absentia* or by correspondence. The college, as a guarantee of serviceable work, has a Faculty which numbers among its members men whose reputation for learning and teaching ability is excellent among scholars.

The time has come in the history of the South when we need men trained in the ideals and in an intimate knowledge of the social and economical conditions of our own section, to take their place in the government of the country. Such men of such training, rather than Southerners who have received an alien or unsympathetic education, however good it may be, will be those best fitted to advance the interests of the South.

It is also coming to be clearly recognized that the most effective and most practical professional training is that which is founded upon a thorough college education. The most economical way of providing such a preliminary education is to furnish opportunities

of combining the last two years' study of candidates for the A. B. degree with work which shall be preparatory to their later professional study; and this is best done in a university which is at once a professional school and an institution of liberal culture.

Let us see to it, then, that we maintain our university, and that we continually augment its efficiency until it shall become more and more the glory of its founders, the pride of the city and the Alma Mater of renewed Southern statesmanship, Southern scholarship, and Southern development.

Co-Educational

The College of Arts and Sciences is co-educational.

University Calendar

College of Arts and Sciences



FALL TERM, 1913.

The session opens September 22, 1913, and closes June 11, 1914.

September 15—Meeting of Faculty of Arts and Sciences, also of Committees on Entrance and Higher Standing.

September 15-19—Registration and examination for admission as follows:

September 15—Ancient Languages, History, and Civil Government.

September 16—Modern Languages and Drawing.

September 17—Mathematics and Physics.

September 18—English and Music.

September 19—Chemistry, Physiology, Zoölogy, and Botany.

September 22—Lectures begin.

October 12—Columbus Day.

November 27-30—Thanksgiving Recess.

December 22—Christmas vacation begins.

January 5, 1914—Lectures resumed.

January 26—Midyear examinations begin.

January 31—First term closes.

SPRING TERM, 1914.

February 2—Second semester begins.

February 12—Lincoln's Birthday.

February 22—Washington's Birthday.

April 10-13—Easter Holidays.

May 18-24—Examinations of the Senior Class.

May 27 to June 6—Final Examinations.

June 6—Annual Meeting of Trustees.

June 6—Business Meeting of Alumni.

June 11—Commencement.

Fees

The tuition fee in the College of Arts and Sciences is \$100 per session, half payable at the beginning of each semester. Teachers engaged in the work of their profession and sons and daughters of clergymen are admitted at half the regular tuition fee. Theological students and all members of the clergy are admitted without tuition fee. A laboratory fee of \$5 per term is charged in each laboratory, unless otherwise specified. A fee of \$20 is charged for graduation. All special students (see page 12) are charged at the rate of \$25.00 a course for the college year. All candidates for the Master's degree will be charged a uniform fee of \$25.00 for each course.

Expenses

BOARD AND ROOMS.

Moderate: Furnished rooms may be engaged by two students in a room at \$1 to \$2 per week for each student. Meals, \$2.50 to \$4 per week. Private board, including fuel and light, at \$3 to \$5 per week.

Liberal: Those who desire more luxurious accommodations can easily secure them in the city at a cost of from \$30 per month upward.

Books and stationery cost a student in the College of Arts and Sciences about \$20 per year; expenses for pay lectures, athletic games, and college organizations may be whatever the student chooses to make them.

Students desiring to add to their resources may do so by finding remunerative employment for a part of their time; but this privilege is granted only by consent of the authorities of the University.

Requirements for Admission

A student is not eligible for admission (examinations) until he has completed the full course of a good high school, or its equivalent. Reckoning one year's work of five recitations a week, for nine calendar months as a unit, a student must be able to show proper credentials for eighteen units of such work before he becomes a candidate for admission. Of the eighteen units required, fourteen are prescribed and four are elective. The certificates of the high schools of Louisville, New Albany, Jeffersonville, and others of acceptable rank will admit the holder without examination, but the Faculty reserves the right to prescribe to students admitted on certificate such courses during their first year as the Committee on Admission thinks advisable.

1. Prescribed subjects, fourteen units, as follows:

1. Mathematics, three years, three units.
2. English Language and Literature, three years, three units.
3. Six units, distributed between two foreign languages.
Three of these units must be offered in Latin or Greek by all candidates in Arts.
4. Science, one year, one unit.
5. History, one year, one unit.

2. Elective subjects, four units.

The four units of elective subjects may be chosen from the list which follows, either in equivalent subjects not mentioned in the prescribed list, or in advanced work in the prescribed elementary branches:

English.	History.	Chemistry.
Greek.	Mathematics.	Physiology.
Latin.	Music.	Botany.
German.	Harmony.	Zoölogy.
French.	Counterpoint.	Civil Government.
Spanish.	Physics.	Drawing.
Hebrew.		

Certificates. Students entering from other institutions must have certificates of honorable dismissal, and the amount of work done must be properly certified, both as to the time and subjects. If the admission requirements of the University are satisfied, and if the school from which the certificate is offered belongs to the class accredited by the University, the candidate will be admitted without examination.

Conditioned Students. In some instances students who have not entirely completed their preparatory work may be admitted on condition in the deficient subjects, but they must remove the conditions by making up the deficiencies. All admission conditions must be removed as far as possible before the student enters upon the work of the second year.

Special Students. Students of proper age who desire work in any department of the College of Arts and Sciences may be admitted as special students upon the recommendation of the head of the department in which work is sought. Special students may become candidates for a degree by satisfying the requirements for admission and by paying the regular tuition fee. (See under Fees, page 11.)

Medical Students. In the case of medical students who are applying for the pre-medical year only fourteen units are required for entrance.

Advanced Standing. To entitle a student to advanced standing (1) a letter of honorable dismissal from the last institution attended, (2) a certificate of work in a college the curriculum and entrance requirements of which are equal to those of the University, and (3) an examination covering courses previously taken, are all necessary. In special cases examination may not be insisted on.

Degrees

The College of Arts and Sciences offers two undergraduate courses and two graduate courses; the undergraduate courses are the Classical and the Scientific, the first of which leads to the degree of Bachelor of Arts and the second to the degree of Bachelor of Science.

The course leading to the Bachelor's degree in arts is in the prescribed work equivalent to the course leading to the Bachelor's degree in science. The two courses require almost the same quantity of work, but they differ in the character of their training. The undergraduate classical course requires for completion four years of work, of fifteen hours a week; the undergraduate scientific course requires four years of eighteen hours a week, including laboratory work.

No student will be allowed to carry more than the prescribed number of hours, except upon the special consent of the Faculty, and under no circumstances more than four subjects the first year.

Of the graduate courses, the classical and scientific each requires as a minimum one year of work, equivalent to twelve hours a week from the bachelor's standing, and leads to the degree of Master of Arts or Master of Science.

The first two years' work in all the undergraduate courses is prescribed and the remainder is elective subject to the direction of the Advisory Committee; that is, estimating the work in an undergraduate course as seventeen units, nine units are prescribed and the others are elective. The required units are: Mathematics, 2; English, 2; Foreign Languages, 2; History, 1; Science, 1, and Philosophy, 1. Enough of the fundamental work of the course is prescribed to preserve its unity, while sufficient choice is permitted to enable students to gratify individual tastes and purposes.

The following rules govern the granting of degrees:

1. No credit is given for work done *in absentia*.
2. All candidates must be in good standing in every department in which credits are desired.

3. The Master's degree is conferred only upon such candidates as have attained the Bachelor's degree in this University, or in some other institution of equal grade.

4. Candidates for a degree must spend at least the last year of their course in residence at the University.

5. No candidate is admitted to graduate courses without the consent of the Committee on Advanced Standing.

6. No course counted for a baccalaureate or professional degree will be counted toward a Master's degree.

7. For the Master's degree a major and at least one minor subject, comprising a graduate course of work equivalent to twelve hours a week for at least one year, must be chosen by the advice and consent of the Committee on Advanced Standing; and a thesis, approved by the head of the department in which the major subject is pursued, must be submitted not later than one month before Commencement. At least one year's work in both French and German is prerequisite for the Master's degree, and if an elementary course is taken while working for the Master's degree, it will not count for either a major or a minor.

Combined Academic and Medical Degrees

The University of Louisville prescribes nine required units and eight elective units for its Baccalaureate Degree, but it will confer the combined degrees, B. S. and M. D., for not less than six years' work on the conditions which follow:

1. A student who has satisfied the requirements for admission to the College of Arts and Sciences of the University of Louisville and who has made the nine units required toward the Baccalaureate Degree (of which the unit in science shall be Physics), and also an additional unit in Zoölogy or Botany, and has studied at least one year in residence in the College of Arts and Sciences, may enter upon his professional course in the College of Medicine of this University, and upon the satisfactory completion of his full four years' work in that department shall receive his Baccalaureate Degree in Science from the College of Arts and Sciences.

2. A student who has completed his medical course satisfactorily in the University of Louisville and gives evidence that he has satisfied the requirements for admission to the College of Arts and Sciences of this University, may enter the College of Arts and Sciences and on satisfying the nine units required toward the B. S. Degree (of which the unit in science shall be Physics), and in addition a unit in Zoölogy or Botany, after at least one year of residence, shall receive his B. S. Degree from the College of Arts and Sciences.

Appointments of Graduates

Students who expect to teach are requested to give their names to the chairman of the Committee on Appointments not later than the end of the second year's work. Certain courses will then be recommended to the candidates for positions as teachers. When the candidates have been graduated, the committee will carefully grade each with reference to (1) physical health, (2) personality, (3) scholarship.

The committee will then recommend to the Board of Education of Louisville such candidates as are found satisfactory in these particulars. It has been the policy of the Board to give such candidates cadetship in the public schools, where, under careful supervision, they may prove their efficiency as teachers. When graduates of the University are successful in this cadetship, the Superintendent recommends them for appointment to a regular position.

No candidate will be recommended by the Committee who has not attained the Grade of B in each of the courses assigned.

Scholarships

Two scholarships are offered to each of the following schools:

Louisville Male High School.

Louisville Manual Training High School.

Louisville Girls' High School.

St. Xavier's College.

New Albany High School.

Jeffersonville High School.

Presentation Academy.

St. Catherine's Academy.

Holy Rosary Academy.

NOTE.—Applications by other schools will be received at the office.

Prizes

A gold medal is offered each year by Bishop Charles E. Woodcock to the student who has attained the highest standing in scholarship. The winner of this medal will be chosen by the decision of the members of the Faculty under whom the candidates recite, and by the vote of the entire Faculty. The medal will not be awarded to the same student more than once.

Donations

to the library of the College of Arts and Sciences

1912-13

Donated by the Former Pupils of Dean Patterson.

W. H. Bradbury-----	\$ 25 00
Morris B. Belknap-----	30 00
B. Bernheim -----	100 00
	—————\$150 00

Books donated to the University Library since June 6, 1912.

	VOLUMES
Southern Sociological Congress -----	1
John L. Patterson -----	6
Misses Huber and Marshall -----	1
Academic Department -----	61
Former Pupils -----	87
Elizabeth Ryan Keller -----	1
Margaret C. Green -----	3
Anna Lillian Logan -----	2
G. L. Spillman -----	6
Macmillan Co. -----	3
Clark Lampton -----	29
Walter K. Belknap -----	17
Doubleday, Page & Co. -----	1
W. Dickson -----	3
Emil A. Schultz -----	5
Heath Co. -----	1
W. M. Anderson -----	1

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Dramatics

The Dramatic Club, which was organized during the session of 1911-12, has become an efficient and well supported organization. The membership now consists of forty students of the University. The Club was organized for the purpose of encouraging a healthy interest in the best drama and of giving opportunity for the development of the dramatic talent of the University. The program for each year includes several smaller plays to be given at intervals during the fall and spring semesters and one larger play to be given at the close of the year. The smaller plays insure for every member an opportunity to engage in some form of dramatic work, and the larger play gives to the student of exceptional ability an opportunity for more difficult work. During the first year of its organization the Club presented three plays. During the session of 1912-13 two plays were presented; the first of these productions was given a second time by request; the second play was one given for three performances at Macauley's Theater.

Athletics

At the present time the student body with the hearty co-operation of the Faculty and the Trustees, support a football team, a track team, and basketball teams for men and women respectively. All of these teams receive careful and efficient instruction from coaches employed for that purpose. For the Football season of 1913 the grounds of the Louisville Baseball Club have been secured, thus insuring ample accommodations for the crowds that attend college games of Football.

Other Associations

The University also supports a German Society, a Current Events Club, and a Glee Club.

Studies in which Examinations are Held for Admission

College of Arts and Sciences



LATIN.

1. Tuell and Fowler's *Latin Lessons* completed, or the equivalent.
2. Kelsey's *Caesar*, four books, and Latin exercises based on them. An adequate amount of Eutropius, Tibullus, or Propertius may be substituted for one book of Cæsar.
3. Kelsey's *Cicero*, four orations and appropriate composition.
4. Frieze's *Vergil's Æneid*, four books, with prosody. For two books, Kelsey's Ovid, one thousand lines, may be substituted.

GREEK.

The examination will be adapted to the proficiency of those who have studied Greek in a systematic course of five exercises a week, extending through at least three school years.

(a) The translation of four books of Xenophon's *Anabasis* and the first three books of Homer's *Iliad*. (The passages set for translation must be rendered into simple and idiomatic English.)

(b) A thorough examination on a prescribed portion of Xenophon (about thirty pages), directed to testing the candidate's mastery of the ordinary forms, constructions, and idioms of the language; the test to consist, in part, of writing simple Attic prose, involving the use of such words, constructions, and idioms only as occur in the portion of Xenophon prescribed.

The portion of Xenophon prescribed for this examination is the first book of the *Anabasis*, chapters I-VIII.

ENGLISH.

The candidate's preparation in English should be such as is furnished by a good high school following the recommendations of the Conference on Uniform Entrance Requirements. The entrance examination will in general conform to these recommendations and will be based upon the books therein specified for reading and study, of which the most important are listed below.

The examination will be a test of the candidate's elementary knowledge of (a) the English Language, and (b) the general

course of English Literature since Shakspeare and (c) of his ability to write English clearly and accurately, with due observance of spelling and punctuation. The candidate should therefore be familiar with the grammar of fundamental English constructions and be able to analyze into their constituent elements sentences of reasonable difficulty. He should possess a vocabulary sufficiently wide to understand the books prescribed for reading, and to explain clearly those forms of expression found in the books prescribed for study, which are intelligible as Modern English.

He should have a general conception of the development of English Literature, both in prose and poetry, since Shakespeare's time; and should be reasonably familiar with the subject-matter of the books prescribed for reading, and be able to give a coherent analysis of the form and structure of those prescribed for study.

He should be able to write clear and simple English, accurately phrased, correctly spelled, and properly punctuated; and should know the principles of paragraph structure and be able to employ the simple forms of composition, especially those of letter and theme writing.

STUDY.

Shakspeare: *Macbeth*; Milton: *L'Allegro*; *Il Penseroso*; *Comus*. Either Burke's *Speech on Conciliation with America* or both Washington's *Farewell Address* and Webster's *First Bunker Hill Oration*. Either Macaulay's *Life of Johnson* or Carlyle's *Essay on Burns*.

READING

With a view to large freedom of choice, the books provided for reading are arranged in the following groups, from which at least ten units¹ are to be selected, two from each group:

I. *The Old Testament*, comprising at least the chief narrative episodes in *Genesis*, *Exodus*, *Joshua*, *Judges*, *Samuel*, *Kings*, and *Daniel*, together with the books of *Ruth* and *Esther*. The *Odyssey*, with the omission, if desired, of Books, I, II, III, IV, V, XV, XVI, XVII. The *Iliad* with the omission, if desired, of Books XI, XIII, XIV, XV, XVII, XXI. Vergil's *Æneid*. The *Odyssey*, *Iliad*, and *Æneid* should be read in English translations of recognized literary excellence.

¹ Each unit is set off by periods.

For any unit of Group I a unit from any other group may be substituted.

II. *Merchant of Venice*. *Midsummer Night's Dream*. *As You Like It*. *Twelfth Night*. *Henry the Fifth*. *Julius Cæsar*.

III. Defoe: *Robinson Crusoe*, Part I. Goldsmith: *Vicar of Wakefield*. Either Scott's *Ivanhoe* or *Quentin Durward*. Hawthorne: *House of the Seven Gables*. Either Dickens's *David Copperfield* or *Tale of Two Cities*. Thackeray: *Henry Esmond*. Mrs. Gaskell: *Cranford*. George Eliot: *Silas Marner*. Stevenson: *Treasure Island*.

IV. Bunyan: *Pilgrim's Progress*, Part I. *The Sir Roger de Coverley Papers* in the *Spectator*. Franklin: *Autobiography* (condensed). Irving: *Sketch Book*. Macaulay: *Essays on Lord Clive and Warren Hastings*. Thackeray: *English Humourists*. Selections from Lincoln, including at least the two *Inaugurals*, the *Speeches* in Independence Hall and at Gettysburg, the *Last Public Address*, and *Letter to Horace Greeley*, along with a brief memoir or estimate. Parkman: *Oregon Trail*. Either Thoreau's *Walden* or Huxley's *Autobiography* and selections from *Lay Sermons*, including the addresses on *Improving Natural Knowledge*, *A Liberal Education*, and *A Piece of Chalk*. Stevenson: *Inland Voyage* and *Travels with a Donkey*.

V. Palgrave: *Golden Treasury* (First Series), Books II and III, with especial attention to Dryden, Collins, Gray, Cowper, and Burns. Gray's *Elegy in a Country Churchyard* and Goldsmith's *Deserted Village*. Coleridge's *Ancient Mariner* and Lowell's *Vision of Sir Launfal*. Scott: *Lady of the Lake*. Byron: *Childe Harold*, Canto IV, and *The Prisoner of Chillon*. Palgrave: *Golden Treasury* (First Series), Book IV, with especial attention to Wordsworth, Keats, and Shelley. Poe's *Raven*, Longfellow's *Courtship of Miles Standish*, and Whittier's *Snow-Bound*. Macaulay's *Lays of Ancient Rome* and Arnold's *Sohrab and Rustum*. Tennyson: *Gareth and Lynette*; *Lancelot and Elaine*; and *The Passing of Arthur*. Browning: *Cavalier Tunes*; *The Lost Leader*; *How they Brought the Good News from Ghent to Aix*; *Home Thoughts from Abroad*; *Home Thoughts from the Sea*; *Incident of the French Camp*; *Hervé Riel*; *Pheidippides*; *My Last Duchess*; *Up at a Villa*—*Down in the City*.

GERMAN.

Students offering German for admission must be able to pass an examination on the classification and declension of German nouns and adjectives (strong, weak, and mixed); conjugate strong, weak, and mixed verbs; separable and inseparable verbs; know the common prepositions and the cases they govern; and the comparison of adjectives and adverbs; the three word-orders and principal rules of syntax; have read about six hundred pages of prose and poetry; be able to write from dictation and converse in German on such dictation.

A German Grammar, such as Thomas' or Becker's completed, together with about six hundred pages of German prose with conversation based upon it, cover the required work.

FRENCH.

Students offering French for admission must have mastered the irregular verbs and be able to write a synopsis of regular or irregular verbs, active and passive voices; write French from dictation and ask and answer easy questions on the dictation; have read about six hundred pages of prose and poetry; be familiar with the rules of spelling and punctuation.

Part I in the grammar of Fraser & Squair, together with a French Reader like Aldrich's or Sym's, with exercises in French Composition, constitute the required work.

HISTORY.

The examination may be taken in "English and American History," in "Ancient History," or in "History of Continental Europe."

(a) ENGLISH-AMERICAN HISTORY. The examination will be adapted to a one-year's course of five exercises a week in English History and in United States History, based on McMaster's Brief History of the United States and on Walker's Essentials in English History.

(b) ANCIENT HISTORY. The examination will be adapted to the proficiency of those who have studied Greek and Roman History in a systematic course of five exercises a week extending through at least one school year. The examination will be based on Meyer's Ancient History.

(c) HISTORY OF CONTINENTAL EUROPE. The examination will cover the period from 476 A. D. to 1900 A. D., and will be adapted to the proficiency of students who have taken a systematic course of five exercises a week throughout at least one school year. The examination will be based on Meyer's European History.

MATHEMATICS.

ELEMENTARY ALGEBRA. As much as is contained in the better American and English text-books. The student should not only have a thorough understanding of the four fundamental operations with rational algebraic expressions, but he should be thoroughly familiar with the various methods of *factoring*, with the theory of common divisors and multiples, involution, including the binomial theorem for positive integral exponents. He should have a thorough knowledge of theory of exponents, integral, fractional, positive and negative; of radicals, including the extraction of square roots of polynomials and of numbers; the solution of equations of the first degree involving one or more unknown quantities, and the solution of quadratic equations involving one or two unknown numbers.

PLANE GEOMETRY. As much as is contained in the better American and English text-books. Besides learning to demonstrate rigorously the usual theorems, the pupil should solve a large number of original exercises, including numerical and *loci* problems.

SCIENCE.

The examination will be adapted to the proficiency of those who have studied Chemistry, or Physics, or Physiology, or Botany, or Zoölogy in a systematic course consisting of one school year.

The text-books will be of the following standard:

PHYSIOLOGY.

Martin's "Human Body."

Conn, Budington & Allyn's Advanced Physiology and Hygiene.

PHYSICS.

Wentworth and Hill.

BOTANY.

Gray's School and Field Botany.

Coulter's Plant Life.

ZOÖLOGY.

"Animal Life," by Jordan & Kellogg.

CHEMISTRY.

Remsen's General Inorganic Chemistry.

Departments and Courses of Instruction

College of Arts and Sciences



1913—1914.

Special afternoon courses in every department are arranged for the benefit of teachers.

No course in any department will be opened unless there are at least three applicants for the course (subject to the pleasure of the Advisory Committee).

DEPARTMENT OF GREEK.

PROFESSOR PATTERSON.

For Undergraduates.

1. ELEMENTARY COURSE. (For the benefit of students who offer other foreign languages in the requirements for admission and who desire to study Greek within the University.) Benner and Smyth; Goodwin's *Greek Grammar*; Pearson's *Prose Composition*; Xenophon (*The Anabasis*). (Course 1 may not be taken to remove an admission condition, and will not count for honors.) Two years. First year: M. W. F. 8-9; second year: T. Th. S. 8-9.

2. Plato (*Apology, Crito*); Lysias (selected orations); Homer (selections from *Iliad and Odyssey*); Euripides (*Cyclops*); Lectures on the History of Greek Literature and Life (Jevon's *Greek Literature*); Bluemner (*Life of the Ancient Greeks*); prose composition. Required of freshmen who elect Greek. Three hours a week, one year, or may be taken as half year course. M. W. F. 10-11, one year.

For Undergraduates and Graduates.

Hours to be arranged.

3. GREEK LITERATURE. Aristophanes (*Acharnians, Birds*); Æschylus (*Prometheus Bound*); Sophocles (*Ædipus Tyrannus*); Euripides (*Bacchæ*). Required of students who elect Greek. T. Th. S. 11-12. One year.

4. ENGLISH COURSE IN GREEK DRAMA. Talks on the Dramatic Art and Literature of the Greeks, with reading and study of Greek plays in translation. Æschylus, Sophocles, Euripides, Aristophanes (selected at the pleasure of the instructor). *This course is especially designed for those who have not studied Greek, but who wish to become acquainted with the culture and literature of ancient Greece.* Two hours a week, half year.

Primarily for Graduates.

Hours to be arranged.

5 and 6. Advanced courses in Greek will be arranged for students who are candidates for the Master's degree and wish to take Greek as their major subject.

DEPARTMENT OF LATIN.

PROFESSOR BLACKWELL.

For Undergraduates.

1. ELEMENTARY COURSE. (For the benefit of students who offer other foreign languages in the requirements for admission, and who desire to study Latin within the University.) Bennett's *First Year Latin*; Bennett's *Latin Grammar*; Pearson's *Latin Prose Composition*; Allen & Greenough's *Cæsar*, four books; Cicero's *Milo*, *Marcellus*, *Ligarius*, and the *Fourteenth Philippic*; Bennett's *Vergil's Æneid*, four books. (Course 1 may not be taken to remove an admission condition, and will not count for honors.) First year: T. Th. S. 9-10. Second year: M. W. F. 9-10.

2. Sallust's *Jugurtha* (Herbermann); Livy, (Bradley) Book I and selections from II—X, with constant attention to grammatical and syntactical forms; Latin Prose Composition. Required in Classical Course. T. Th. S. 10-11, one year.

3. Horace, *Satires and Epistles* (Morris); Tacitus, *Germania and Agricola* (Allen); Latin Prose Writing continued; open to students who have taken Course 1. Required in Classical Course. M. W. F. 11-12, one year.

For Undergraduates and Graduates.

4. Horace, *Odes and Epodes* (Moore); Juvenal (Stuart) five Satires. Preceded by Courses 1 and 2. Advanced Prose Composition (Mathis and Wheeler). M. W. F. 11-12, one year.

5. Seneca, *Selections* (Ball); Pliny's *Letters* (Merrill); Lectures on Roman Public and Private Life; preceded by Courses 1, 2, and 3. T. Th. 3-4, one year.

6. Plautus, *Rudens*; Seneca's *Plays* (Kingery); Terence's *Phormio*; *The Roman Drama*; prerequisite Courses 1, 2, and 3. M. F. 12-1, one year.

Primarily for Graduates.

Hours to be arranged.

7. Lucretius, *De Rerum Natura*, a study of language, style, and sources of the poet's work. Two hours a week, one year.

8. Petronius, *Cena Trimalchionis*, with a study of the vernacular of the people. Two hours a week, one year.

9. *Public and Private Roman Law* (Robinson). Two hours a week, one year.

10. *Introduction to Latin Epigraphy* (Egbert). Hours arranged for 1, 2, 3, and 4. Two hours a week, one year.

DEPARTMENT OF HEBREW.

PROFESSOR BLACKWELL.

Hours to be arranged.

1. Mannheimer's *Hebrew Grammar and Readings*; Translations from English into Hebrew. Two hours a week, one year.

2. Davidson's Grammar. Biblical historical readings. Two hours a week, one year.

3. *The Psalms, Isaiah, The Song of Songs*. Lectures. Two hours a week, one year.

DEPARTMENT OF ENGLISH.

PROFESSOR PERROW.

MISS TERRY.

The aim of the work in the department of English is threefold:

1. The department aims to give a training in English composition adequate for the ordinary demands of social, commercial, and professional life. Practice in writing is begun in English 1, and written work is called for in all subsequent courses.

2. The courses are so arranged that, taken together, they afford opportunity for the study of the origin and development of the English language and literature.

3. The department seeks especially to give such training as will develop the power of the student to interpret and appreciate the work of the master writers of English, and to inspire an interest in them such as will lead to a further study of literature.

For Undergraduates.

1. (a) ENGLISH COMPOSITION. The work in this course consists of a careful study of selected models of English prose, and the practical application of the results of such study to regular work in composition. Woolley's *Handbook of Composition*, Woolley's *Exercise*, and Grose's *Specimens of English Composition*. Required of all undergraduates. T. Th. S. 10-11, one year.

2. ENGLISH LITERATURE. This course is intended (1) to give some idea of the development of English literature, (2) to interest the student in the study of the more important English writers, and (3) to give some opportunity for practice in writing. Required of all undergraduates. M. W. F. 11-12, one year.

Text: Cunliffe, *Century Readings*.

For Undergraduates and Graduates.

3. SHAKSPERE. In this course the work in Shakspeare is made a nucleus for a general view of Elizabethan drama. A careful study of selected plays read in class, and written reports on plays assigned for outside reading. Lectures on Elizabethan drama.

(a) In 1913-1914 the class will study *Henry V*, *Othello*, *Hamlet*, *Anthony and Cleopatra*, and *The Tempest*. Temple or Tudor edition. T. Th. S. 11-12, one year.

4. CHAUCER. A careful class-room study of selections from Chaucer in connection with outside reading in Middle English literature, and lectures on political, social, and literary conditions of the time. [Omitted 1913-14.]

5. ANGLO-SAXON. This course is intended (1) to give a fair reading knowledge of Anglo-Saxon prose and poetry, and (2) to furnish a basis for a more advanced study of the English language. Bright's *Anglo-Saxon Reader* and Wyatt's *Beowulf*. M. W. F. 4-5, one year.

6. NINETEENTH CENTURY POETRY. This course will consist of the reading and interpretation of selections from the more important poets of the Nineteenth Century, and a consideration of their relations to some of the political, social, and scientific tendencies of the time. [Omitted 1913-14.]

7. NINETEENTH CENTURY PROSE. A wide reading in the more important prose writers of the Nineteenth Century, with some consideration of their relations to some of the problems of the age. One year. [Omitted 1913-14.]

8. NINETEENTH CENTURY PROSE FICTION. A wide reading of Nineteenth Century novels and short stories, with some attempt at connecting them with significant thought movements. M. W. F. 3-4, one year.

DEPARTMENT OF GERMAN.

PROFESSOR SPILLMAN.

PROFESSOR BLACKWELL.

1. ELEMENTARY COURSE. (a) For the benefit of students who offer other foreign languages in the requirements for admission; for such as desire to begin German in the University or wish to review the elements. Phonetics, pronunciation, grammar exercises; reading of easy selections; committing of poems and singing of songs comprise the work. Bacon's *German Grammar* and reader *Im Vaterland* or Vos, *Essentials of German* and Allen's *Daheim* will be used. M. W. F. 9-10, one year.

2. ELEMENTARY COURSE. (b) This constitutes the second year's work in German. Conversation, Composition, modern and classic reading, committing of selections and singing of songs make up the work. Text books: *Kreuz und Quer durch deutsche Lande*; *Aus Vergangener Zeit*; Pope's *Writing and Speaking German*; Baumbach's *Schwiegersohn*; Schiller's *Wilhelm Tell*. M. W. F. 4-5, one year.

For Undergraduates and Graduates.

3. INTERMEDIATE COURSE. (a) This work consists of advanced composition and conversation, History of German Literature, and classic readings; poems and scenes from dramas will be memorized and given in the German Club. Text books: Keller's "*Bilder aus der deutschen Literatur*," Mogk's *Deutsche Sitten und Bräuche*; Wiehr's *German Composition*; Scheffel's *Ekkhard*, and Dahn's *Ein Kampf um Rom*; Suderman's *Katzensteg*. T. Th. 3-4, S. 9-10, one year.

4. INTERMEDIATE COURSE. (b) This is a reading course in Goethe's *Faust*, parts I and II (Thomas' edition); Study of the history of the German language and writing of German reports.

Text books: Goethe's *Faust* I and II, (Thomas' edition); Weise's *Unsere Muttersprache*; (Freie Reproduction.) T. Th. S. 10-11, one year.

5. INTERMEDIATE COURSE. (c) This course is an alternate course with course 3, intended for students of science who have had two years of German. Instead of classic reading, scientific reading is substituted.

Text books: Buchheim's *German Composition* and Lambert's *Alltägliches*; Wallentin's *Grundzüge der Naturlehre*. Suderman's *Katzensteg*; Schiller's *Lied von der Glocke*; Helmholtz's *Populäre Vorträge*, and others. Three times a week throughout the year.

6. SCHILLER COURSE. Life and works of Schiller with special emphasis on the trilogy of *Wallenstein* and the *Thirty Years' War*. Essays and Reports in German are required of the students.

Text books: Carruth's *Schiller's Wallenstein*; Schiller's *Geschichte des dreissig-jährigen Krieges, Drittes Buch*, by A. H. Palmer; Kluge's *Deutsche National litteratur* and selections. Three times a week throughout the year.

7. Goethe's *Meisterwerke*. An introductory course to Goethe's works, and a study of his life.

Text books: Bernhardt's *Goethe's Meisterwerke*; Wiehr's or Cutting's *German Composition*; *Auswahl deutscher Prosa der Gegenwart*; G. Hein; *Stories from Keller and Meyer*. Three times per week throughout the year.

8. LESSING COURSE. Lectures on the life and works of Lessing, emphasizing his importance to modern art-criticism through a study of his *Laocoon*. Essays and reports in German are required of the students. Prerequisite: Courses 1, 2, or 3, or their equivalent. Two hours a week, one year.

9. MIDDLE HIGH GERMAN. *Der arme Heinrich*; *Das Nibelungenlied*; Paul's *Mittelhochdeutsche Grammatik* and Paul's *Prinzipien der Sprachgeschichte*. Two hours a week throughout the year.

10. GOTHIC. Elements of the language. Reading from Wulfila's translation of the gospels; Gothic and Greek. Streitberg's *Gotisches Elementarbuch*; Kluge's *Von Luther bis Lessing*, and selection.

The department reserves the right to omit such courses from 5 to 10 as it may see fit, in 1913-14.

DEPARTMENT OF ROMANCE LANGUAGES.

PROFESSOR BLACKWELL.

PROFESSOR VON WALTHER.

PROFESSOR MCMAHON.

FRENCH.

1. ELEMENTARY COURSE. (a) A beginner's course in French, for the benefit of students who offer other foreign languages in the requirements for admission. Phonetics, pronunciation, grammar exercises, reading, dictation and singing of popular songs comprise the work.

Text books: Fraser & Squair's *French Grammar*; Aldrich and Foster's *French Reader*. M. W. F. 3-4, one year.

2. ELEMENTARY COURSE. (b) This constitutes the second year's work in French; the second part of Fraser & Squair's *French Grammar*, and reading will be taken up.

Text books: Fraser & Squair's *French Grammar*; *Le Français et Sa Patrie*, by Talbot; *La Belle Nivernaise*, by Daudet, and other stories, (Jenkins' edition); Well's *Historical Reader and Selections*. T. Th. S. 10-11, one year.

For Undergraduates and Graduates.

3. INTERMEDIATE COURSE. (a) This course comprises the reading of such classical and modern French works as will widen the student's vocabulary. It includes also drill in rapid reading without translation.

This course is intended to complete the student's foundation in French and to serve as an introduction to the purely literary courses. (Prof. von Walther.) Prerequisite: Courses 1 and 2 or their equivalent. T. Th. 3-4, S. 9-10, one year.

Text books: The work at home will comprise the reading of the following books: *Le Cid* (Corneille) *Les Pêcheurs d'Islande* (Lotis), *Le Bourgeois Gentilhomme* (Molière) *Andromaque* (Racine) and *La Triade Française* (Louise Botte-Hendrikson); for sight-reading in the class-room the following books will be used; *Expédition de Bonaparte en Egypte* (Thiers), *Scènes de la Révolution Française* (Lamartine). *Cinq scènes de la Comédie humaine* (Balzac). *Huit Contes choisis* (Maupassant) and *Le Voyage de Mr. Perrichon* (Labiche-Martin).

4. INTERMEDIATE COURSE. (b) This is a course in Composition and Conversation. The work will consist in theme writing and conversation, based upon the themes; some classical reading, and some modern reading. T. Th. S. 9-10, one year.

Text books: Jules Lazare's *French Composition*; Berlitz's *Second French Reader* and *Verb Drill*; Victor Hugo's *Les Misérables*; Balzac's *Eugénie Grandet*.

5. COURSE IN FRENCH LITERATURE. A chronological study of the history of French Literature will be offered. T. Th. 4-5, S. 11-12.

6. THEATRE MOLIERE. The life of Molière, and his minor plays as well as his greater plays will be studied; the literary movements of the sixteenth and seventeenth centuries will receive special attention.

Text books: *Théâtre Choisi de Molière*, Ernest Thirion; *L'Age d'or de la Littérature Française* (L. Delpit); *Molière, a Biography*, H. C. Chatfield-Taylor. Three times per week throughout the year.

Primarily for Graduates.

Hours to be arranged.

7. LITERATURE OF THE EIGHTEENTH CENTURY.

8. LITERATURE OF THE NINETEENTH CENTURY.

Course seven will center on Rousseau and Voltaire.

Course eight will study the romantic and realistic schools, as represented by Victor Hugo, Balzac and Zola. Pélissier's *Le Mouvement Littéraire au XIX Siècle* will be studied.

The department reserves the right to omit such courses from 5 to 8 as it may see fit in 1913-14.

SPANISH.

Hours to be arranged according to demand.

1. ELEMENTARY SPANISH. (For the benefit of students who offer other foreign languages in the requirements for admission, and who desire to study Spanish within the University.) Study of pronunciation; exercises in grammar; reading of simple selections. T. Th. S. 9-10, one year.

Texts: Hill's and Ford's *Spanish Grammar*; Hill's *Spanish Tales for Beginners*. Open to all students except beginners in French, but may not be taken to remove an admission condition, and will not count for honors.

2. Ramsey's *Modern Spanish*; Alarcón's *El Capitán Veneno*; Calderón's *La Vida es Sueño*; Galdós's *Marianela*. M. W. F. 9-10, one year.

DEPARTMENT OF HISTORY.

PROFESSOR VON WALTHER.

For Undergraduates.

1. HISTORY OF MEDIAEVAL CONTINENTAL EUROPE. This is a general course, beginning with the Migration of Nations and leading up to the time of the Reformation. Special stress is laid in the first term upon the development of Germany and the time of Hildebrand, while the second term takes up the Crusades, the development of France, and the movements which led to the Reformation. M. W. Fr. 10-11, one year.

Texts: Richardson, *Syllabus of Continental European History*; Emerton, *Mediaeval Europe*; Robinson, *History of Western Europe*.

2. HISTORY OF MODERN CONTINENTAL EUROPE. This is a general course, beginning with the Reformation and ending with the year 1789.

In this year's course the periods of Louis XIV for the first semester and of Frederick the Great for the second semester will be the special topics. M. W. Fr. 11-12, one year.

Texts: Richardson, *Syllabus of Continental European History*; Lodge, *History of Modern Europe*; Robinson, *History of Western Europe*.

For Undergraduates and Graduates.

3. GREEK HISTORY. This advanced course presents a study of the evolution of political ideas from the Greek city-states, through Alexander's Empire to the Roman Empire; it also serves as a historic basis for an understanding of the contributions of the Greeks to later civilization. T. Th. 11-12, one year.

Texts: Morey, *Outline of Greek History*, together with extensive prescribed reading.

4. ROMAN HISTORY. This is an advanced course, showing the development of the Roman State from its beginning to 476 A. D., and emphasizing those economic, social, and religious questions which form the basis of European Mediæval and Modern History.

Texts: Morey, *Outlines of Roman History*, together with extensive prescribed reading, in Ihne, Mommsen, Ferrero, etc.

5. ENGLISH HISTORY. A general course, beginning with the Roman Conquest and leading up to the Nineteenth Century; care is taken to make clear the political conditions which influenced the growth of the Constitution as also the neutral influence of Continental European and English History.

Text books: *A Short History of England* by Edward P. Cheyney and *A Book of Readings in English History*, by the same author.

Courses 3, 4 and 5 alternate. In 1913 course 5 will be given.

Primarily for Graduates.

6. HISTORY OF THE NINETEENTH CENTURY IN CONTINENTAL EUROPE. The course begins with a summary of the French Revolution and considers during the first term especially the effect of Napoleon I's reign upon European history; also the conflict of liberal and reactionary ideas, as shown in the periods of the Restoration, the revolutions of 1830 and 1848, and the extension of reforms.

The work in the second term will treat particularly of the establishment of the German Empire, of the Kingdom of Italy, and of the Republic of France. Prerequisite: Courses 1 and 2. M. F. 4-5, one year.

Texts: Robinson and Baird, *The Development of Modern Europe*, together with extensive prescribed reading.

7. HISTORY OF PHILOSOPHY. (Professor Caldwell.) For description see Department of Philosophy, Course 5.

8. HISTORY OF MATHEMATICS. (Professor Siff.) For description see Department of Mathematics, Course 11.

9. HISTORY OF MUSIC. For description see Department of Music, Courses 2 and 4.

DEPARTMENT OF MATHEMATICS.

PROFESSOR SIFF.

For Undergraduates.

All students are required to take either 1 and 2, or 2 and 3.

1. PLANE AND SPHERICAL TRIGONOMETRY. Correct definition of trigonometric functions, trigonometric equations, inverse functions, and the application of trigonometry to practical problems. T. Th. S. 11-12, one year.

Text: Ashton and Marsh, *Trigonometry*.

2. HIGHER ALGEBRA. This course starts with the Arithmetic and Geometric Progressions and covers the theory of Quadratic Equations, Binominal Theorem, Permutation and Combination, Logarithms, Convergency and Divergency of Series, Summation of Series in general, Partial Fractions, Probability, Continued Fractions, Determinants, and the general theory of Equations. M. W. F. 10-11, one year.

3. ANALYTIC GEOMETRY. This course is continued through the year; it covers the point, line, circle, and the three simple conics. Considerable time is devoted to the discussion of the general equation of the second degree. M. W. F. 11-12, one year.

NOTE: Course 3, on the demand of a sufficient number of students, may be repeated in the afternoon.

For Undergraduates and Graduates.

4. THE GENERAL THEORY OF EQUATIONS, based on the treatise of Burnside and Panton. Useful to students who wish to have a more thorough knowledge of Algebra, and who intend to teach mathematics. T. Th. 10-11, one year.

Text: Burnside and Panton, *Theory of Equations*.

5. DIFFERENTIAL AND INTEGRAL CALCULUS. The first term is devoted to Differential and the second term to Integral. The course covers the fundamental principles and processes of differentiation and integration, with much use of graphical methods and the application of the Calculus to Geometry, Mechanics, and Physics. An elementary course. T. Th. S. 9-10, one year.

Primarily for Graduates.

Hours to be arranged.

6. ADVANCED DIFFERENTIAL AND INTEGRAL CALCULUS. Prerequisite, Course 5. Lectures and recitation. M. W. F. 3-4, one year.

7. SOLID ANALYTIC GEOMETRY. Prerequisite, Courses 3 and 5. Lectures and recitations. Three hours a week, one year.

8. DIFFERENTIAL EQUATIONS. Partial and Linear. Important to students who make a specialty of Mathematics and to students of Physics. Three hours a week, one year.

9. THE THEORY OF ALGEBRAIC CURVES, based on Wieleitner. The tracing of curves, the derivation of the Algebraic Equation from the given Geometric conditions, and the general theory of Asymptotes *from an entirely original point of view* are essential features of this course. Prerequisite, Courses 3, 4 and 5. Lectures and recitations. Three hours a week, one year.

10. THE THEORY OF FUNCTIONS FOR REAL AND COMPLEX VARIABLES. Based on Harnack, and Picard's *Traite d'Analyse*. Prerequisite, Courses 3, 4, 5 and 6. Three hours a week, one year.

11. THE HISTORY OF MATHEMATICS. No special knowledge of Mathematics required. This course is also open to the public. Lectures. W. 5-6, one year.

Starting with the Greek Mathematians, the student is gradually led to the development of the subject up to the present day. In these lectures considerable attention is also paid to the relation of Mathematics to Philosophy, particularly to the great problem of Ethics.

12. MATHEMATICAL PEDAGOGY. This course is primarily designed for teachers in mathematics and for those who intend to teach mathematics in the public schools. Lectures. Sat. 10-11.

NOTE: The Department reserves the right to omit such courses from 6-12 as it may see fit in 1913-1914.

DEPARTMENT OF PHYSICS.

PROFESSOR ANDERSON.

PROFESSOR SIFF.

For Undergraduates.

1. GENERAL PHYSICS. A general course including the principles of mechanics, sound, heat, light, and electricity. This course is required of all academic students who elect Physics. Lectures, recitations and laboratory work. T. Th. S. 11-12, M. F. 2-4.

Text: Crew, *General Physics*.

2. MECHANICS AND HEAT. A more thorough and more mathematical treatment than is offered in Course 1. T. Th. 10-11.

Text: Franklin and McNutt, *Mechanics and Heat*.

3. LIGHT. An advanced course based on Edser's *Light*. Lectures 3 hours a week. Laboratory work to be arranged. M. W. F. 11-12, M. 2-4.

Text: Edser, *Light for Students*.

4. ELECTRICITY AND MAGNETISM. An advanced course; lectures and laboratory work. Not offered in 1913-14.

5. DYNAMO—ELECTRICITY. A study of direct current dynamos and motors. For further description see under "Technical Courses." Prerequisite, Course 1. F. 10-11, Th. 2-4.

Texts: *Elements of Electrical Engineering*, vol. I., Franklin and Esty, *Dynamo Laboratory Manual*.

DEPARTMENT OF TECHNICAL COURSES.

PROFESSOR ANDERSON.

MR. BRIGMAN.

The University of Louisville has not, as yet, a full course of engineering, but the following studies, which correspond to the first two years' work usually required by the best engineering schools, are now open to students who intend to become engineers. The University earnestly hopes that these courses will eventually lead to the development of a complete Department of Engineering.

FRESHMAN YEAR:

Trigonometry and Higher Algebra.....	6 hours.
Physics 1	3 "
Physics 2	6 "
English	3 "
Drawing	4 "

SOPHOMORE YEAR:

Analytic Geometry and Calculus.....	6 hours.
Chemistry	6 "
Mechanics and Heat.....	2 "
Dynamo-Electricity	4 "
English	3 "
German	3 "
Drawing	4 "

1. DYNAMO-ELECTRICITY. The laboratory course will consist of work with dynamos and motors under practical working conditions; measurements of efficiency; plotting of characteristic curves, etc. The lecture course will take up various principles connected

with the operation and design of direct current machinery. The laboratory equipment will consist of the various types of motors and generators, the motive power being furnished by a gas engine of ample capacity. A complete set of ammeters and volt meters, together with rheostats for absorbing the output of the plant, and dynamometers for measuring the power supplied, will enable the student to make not only the usual commercial tests, but also to carry on investigations of a more advanced character.

The attention of students interested in engineering is invited to the excellent equipment of the physical laboratory. This is constantly being increased with the best modern apparatus, and offers ample opportunity for students to do individual experimental work in physics.

2. **SURVEYING.** The work will consist of the use of the chain, compass, transit, and level in the laying out and dividing of land, establishment of grades, drawing of maps, etc. The practical work will be supplemented by a lecture and recitation course, in which the various problems to be met with will be studied and the principles underlying them described. The University is equipped with first-class instruments of the most modern type to carry out the practical part of the instruction. Open to students who have had trigonometry. Hours to be arranged.

MECHANICAL DRAWING. In the Mechanical Drawing Course work is given that is applicable to Teachers, Engineering students and Artisans.

Ample facilities are provided, and a comprehensive course, both Elementary and Advanced is offered.

3. **MECHANICAL DRAWING. Elementary Course.** In this course the student is taught the accurate and careful use of the instruments, free-hand sketching, the principles of projection, lettering, and the reading and construction of Mechanical Drawings. Hours to be arranged.

4. **MECHANICAL DRAWING. Advanced Course.** This course is given only to those having completed the Elementary Course or its equivalent. The work will consist of detailed Theoretical drawing, Descriptive Geometry to those needing this subject, and the principles of Machine Design. Lectures and Texts both to be employed. Hours to be arranged.

FREE-HAND DRAWING.

5. **FREE-HAND DRAWING.** Hours to be arranged.

DEPARTMENT OF PHILOSOPHY.

PROFESSOR CALDWELL.

NOTE: Course 5 is the required unit in Philosophy.

For Undergraduates.

1. **PSYCHOLOGY.** A study of the nature of consciousness in its relation to external conditions and cerebral accompaniments. Attention will be given to the nervous system, sensation, perception, feeling, attention, instinct, habit, memory, ideas, language, imagination, concepts, the self, will, dissociation, applications of psychology, and other topics. First semester. T. Th. 3-4, S. 9-10.

2. **ADVANCED PSYCHOLOGY.** A study of social psychology, including the consideration of suggestibility, the crowd, fashion, conventionality, custom, rational imitation, conflict, public opinion, and related topics. The foregoing will be supplemented by a study of some other problems of advanced psychology. T. Th. 3-4, S. 9-10. Second semester.

3. **EDUCATIONAL PSYCHOLOGY.** A study of the psychological principles of teaching. Consideration of the educational significance of recapitulation, instinct, heredity, hygiene, individual differences, memory, association, imitation, originality, imagination, apperception, motor expression, thinking, emotion, interest, volition, and other phases of psychology. M. W. F. 3-4. First semester.

4. **SOCIOLOGY.** Problems, facts, and theories of practical sociology. A study of institutions and social standards. Consideration of charities and correction. A survey of the social problems connected with poverty, crime, insanity, blindness, deafness, etc., and of the problems of public health and child welfare. Attention will be given to current social changes. Practical work by visiting charitable, reformatory, penal, and corrective institutions. In and near Louisville there are several penal and reformatory institutions to which students have access; these afford ample opportunity for extended research. M. W. F. 3-4. Second semester.

5. **HISTORY OF PHILOSOPHY.** A study of the history of philosophic thought in ancient, mediæval, and modern times; problems, doctrines, and tendencies from Thales through Herbert Spencer. T. Th. 2-3, S. 12-1, one year.

6. **METAPHYSICS.** A study of the leading types of contemporary philosophical theory; problems and doctrines of being and knowledge; consideration of pragmatism and other current theories of the nature of truth. M. W. F. 4-5, second semester.

7. ETHICS. A study of the principles of moral judgment, with exposition and criticism of the great theories concerning the basis of the distinction between right and wrong conduct. A consideration of the nature of goodness, duty, virtue, culture, and religion. Both the theoretical and the practical problems of ethics will be studied. M. W. F. 4-5, first semester.

8. ÆSTHETICS. A study of the principal æsthetic problems and doctrines. M. W. F. 4-5, second semester.

Primarily for Graduates.

9. LOGIC. A study of the formal laws of thought, with their application to the special methods of the sciences; outlines of the general character of the thinking process. Consideration of certain recent contributions to logic. T. Th. 3-4, S. 10-11, second semester.

10. Special work will be arranged for those wishing to pursue advanced study in philosophy or psychology.

NOTE: The Department reserves the right to omit any courses from 3 to 10 it may think advisable during 1913-1914.

DEPARTMENT OF CHEMISTRY.

PROFESSOR ROBINSON.

PROFESSOR CHANDLER.

MR. MUELLER.

For Undergraduates and Graduates.

1. GENERAL AND INORGANIC CHEMISTRY. A general survey of the principles of chemical action as illustrated by the common elements and compounds. Emphasis is laid on the relations of chemical science to everyday life and to industrial economy. In the laboratory, the student prepares and studies the reactions of the more common substances, and is early led into systematic qualitative analysis, as the best means of getting an insight into the methods of Chemistry, and, in the case of those who expect to continue its study, of laying a foundation for more advanced work. Lectures and recitations. M. W. F. 2-3; Laboratory, M. W. 3-5, one year.

Kahlenberg's Outlines of Chemistry. Prof. Chandler.

2. **ADVANCED INORGANIC AND ANALYTICAL CHEMISTRY.** A review and amplification of Course 1. Special attention is paid to the principles and theories of Chemistry, and their application to the analytical work of the laboratory, in order to develop habits of rational procedure, rather than mechanical following of directions. Recitations. T. Th. 2-3. Laboratory, T. Th. F. 3-5, one year, consisting of qualitative analysis and a short course in quantitative analysis, particularly volumetric methods. Open to students who have had Course 1 or its equivalent.

3. **ORGANIC CHEMISTRY.** A study of the principles of the chemistry of biological substances and other carbon compounds. This course is important especially for students who contemplate studying medicine, or specializing in biology or domestic science. Open to all who have had Course 1. Lectures and recitations. T. Th. 2-3, or with medical students' class. M. T. W. Th. 9-10, one year.

4. (a) **FOOD CHEMISTRY.** In the first semester, the general composition of food materials is discussed, and the chemical processes involved in digestion and utilization of food. The second semester's work includes discussion of food requirements, and the composition, value, adaptability, and preparation of many of the more common food-stuffs. Lectures and recitations, M. W. 2-3; Laboratory, 2 periods per week, for one year.

Course 1 or its equivalent prerequisite. Prof. Robinson.

4. (b) **PHYSIOLOGICAL CHEMISTRY.** This is a course for medical students which is open to students of the College of Arts and Sciences, who have had Courses 1 and 3. It includes a study of the chemistry of food-stuffs, of the processes of digestion, and of general metabolism, and the composition of animal tissues and fluids. Lectures, two hours a week, and laboratory, four hours a week, for one year. Hawk's *Practical Physiological Chemistry* and other texts.

5. **QUANTITATIVE CHEMISTRY.** Practice in some of the most important methods of quantitative analysis, with special attention paid to the development of proper technic and accuracy. Laboratory, eight hours a week for one semester. Talbot's or Moody's *Quantitative Analysis*. Course 2 prerequisite.

Primarily for Graduates.

6. **PHYSICAL CHEMISTRY.** A non-mathematical discussion of the principal topics of the subject. Two hours a week, one year. Walker's *Physical Chemistry*.

7. ADVANCED ORGANIC PREPARATION. Selected experiments from Gattermann's *Practical Methods of Organic Chemistry* and similar books, illustrating class reactions and typical syntheses. Laboratory, eight hours a week, one semester.

8. SPECIAL QUANTITATIVE ANALYSIS. Work in analysis of minerals, soils, water, milk, foods, etc., may be elected by either undergraduates or graduates who have had Courses 2 and 5. Credit for such work will be based on the amount of time put in and satisfactory work accomplished.

Advanced Organic Chemistry and a brief course in History of Chemistry are required of candidates for the Master's degree who elect Chemistry as a major subject. These courses are arranged to suit conditions.

On account of the growing importance of Chemistry in its relation to agriculture, a course in Agricultural Chemistry will be arranged whenever there is sufficient demand for it.

LABORATORY FEES IN CHEMISTRY. Five dollars per semester. Apparatus broken by the student is also charged to him. For this purpose, a deposit of five dollars is required from each student, and the deposit is returned to him at the end of the session, minus breakage charges.

DEPARTMENT OF BIOLOGY.

PROFESSOR EDDY.

PROFESSOR MACCRACKEN.

DR. ZAHNER.

For Undergraduates.

1. ANATOMY. The course consists of practical demonstrations taking up all the important viscera, their gross anatomy and their relations to one another. Also instruction in normal Histology, embracing the use of the microscope, the preparation of tissues, cutting, staining, and mounting of sections, and demonstrations of the minute or microscopical anatomy of the various tissues and organs. M. F. 9-11, first semester.

2. **PHYSIOLOGY AND HYGIENE.** The course consists of Lectures and Demonstrations. The lectures will be illustrated by charts and drawings, especially in free-hand drawings in colored chalks made by the instructor during the recitation. M. F. 9-11, second semester.

For Undergraduates and Graduates.

3. **BACTERIOLOGY.** A course in the principles of Bacteriology, including methods of studying bacteria, disinfection, etc. T. Th. 9-11, one year.

Primarily for Graduates.

4. **BACTERIOLOGY.** The course is a comprehensive one in practical bacteriology, in which students are required to perform a systematic line of experiments in the laboratory. Careful attention is given to technique, methods of staining and mounting specimens in the laboratories. These specimens made by the students become their property, proving invaluable for future reference. Four hours a week, one year.

For Undergraduates.

Hours to be arranged.

5. **BOTANY.** The course will deal with the structure and classification of the local flora, and the more elementary details of plant physiology.

During the fall and early spring, as much work as practical will be done in the field. This will be supplemented with work in the laboratory during mid-year, which will include the broader phenomenon of germination and growth. Every effort will be made to render this course as instructive and practical as possible to teachers of Nature Study.

Three hours a week, one year, exclusive of field work, will be devoted to this course.

For Undergraduates and Graduates.

Hours to be arranged.

6. The course will deal with Cryptogamic Botany and more detailed physiology of plants, and much attention will be paid to histological and experimental phases of the subject. Opportunity will be afforded to each student for doing individual work under the supervision of a member of the staff. A minimum of three hours a week, one year, will be required in this course.

Primarily for Graduates.

Hours to be arranged.

7. The course embraces ecology, organography, and histology. The department reserves the right to modify this course as circumstances may indicate.

For Undergraduates.

Hours to be arranged.

8. ZOÖLOGY. The course consists of a general study of the structure of invertebrates and their comparative anatomy. This work will begin with the protozoa.

Habits, reproduction, nutrition, motion, and sensation will be studied.

Students are required to work with animals in the laboratory during this course. Classification of the more common animals will be taken up. Two hours a week, one year.

9. The course consists of a general study of lower animals and the vertebrates. Study of nutrition, reproduction, motion, and sensation. This course will include laboratory and as much field work as may be practicable.

Dissection of vertebrates by students and classification of animals in general. Two hours a week, one year.

(For students who have completed Course 1 or its equivalent.)

For Undergraduates and Graduates.

Hours to be arranged.

10. The course consists of general relations and geographical distribution. Field work. Seminary. One hour a week, one year.

DEPARTMENT OF MUSIC.

PROFESSOR GRANT.

The Department of Music regards a general knowledge of musical expression and an intelligent appreciation of musical form as an important element of culture. Its courses are therefore primarily organized with these ends in view. But the instruction, especially

that of the advanced courses, should be of practical value to those who intend to enter upon a professional career.

The regular work of the department is supplemented by public recitals throughout the year, and the aim of these is to illustrate the various modern developments of music which are of general public interest.

For Undergraduates.

1. ELEMENTARY MUSICAL THEORY. (a) Notation, clefs, signatures; diatonic and chromatic intervals and their inversions; consonance and dissonance; major and minor diatonic scales; chromatic and enharmonic scales; meanings of terms and signs in ordinary use; transposition from one key to another, and from treble to bass, or *vice versa*.

(b) Triads of the major and minor modes; rules of chord connection; range of voices; open and close harmony; tonality; inversions of triads; principle of doubling voices in chords.

(c) Rhythm, duple and triple; modes of accentuation; dynamic, metrical, and harmonical accents.

(d) Melody: Rules and exercises in melody writing; the scale line; the chord line; the period form; the perfect cadence; the semicadence; the plagal cadence.

(e) The chords of the sixth; the six-four chords; harmonizing a given melody or a given bass in four parts.

T. Th. 3-4, first term.

2. HISTORY OF MUSIC. (a) Primitive music and the early developments of music among Oriental peoples, the music of the Greeks and their scales; it subsequently treats of the following subjects: Music in the service of the church, and non-ecclesiastical forms; the history and development of polyphonic forms; the Paris School, Gallo-Belgic School, the School of the Netherlands, and the Italian School.

(b) The development of musical instruments; the Organ and organ music; the beginning and development of Oratorio and Opera; Scarlatti and the Neapolitan School; the evolution of the Pianoforte; the German Sonata Composers to the time of Haydn; Haydn, Mozart, and Beethoven; the Orchestra and Absolute Music; the French and Italian schools of the Nineteenth Century. T. Th. 3-4, second term.

For Undergraduates and Graduates.

Hours to be arranged.

3. **ADVANCED HARMONY.** Course 1 is a prerequisite for this course.

(a) Discords; the chord of the seventh; the resolution of a dissonance; the first class of discords; the inversions of the dominant-Seventh-Chord; irregular resolutions of the dominant-Seventh-Chord; the passive resolution; the incomplete Chord of the Dominant-Seventh; the Chord of the Ninth upon the Dominant.

(b) The Five-Nine and its Inversions; the incomplete Chord of the Dominant-Ninth; the Five-Nine in major and minor mode; the discords of the Second, Third, and Fourth Classes; the Altered and Mixed Chords.

(c) Modulations; Harmonizing of Unfigured Basses; Extraneous Modulations; Modulation in Sequences, and at Cadences.

(d) Rules of Chromatic Progression; Enharmonic Modulation; Compound Enharmonic Changes; Melodies with Indicated, Intimated, and Optional Modulations.

(e) The Inharmonic Intervals; the Organ Point; Suspensions; Syncopation; Embellishments. F. 1-3, first term.

4. **HISTORY OF MUSIC.** Course 2 is a prerequisite. This course should be of exceptional interest, and will be in lecture-recital form. Programs will be arranged at each lecture, and the music of the best composers will be rendered by the instructor and others. The course consists of lectures on the following subjects: The Folk Song; The Art Song, including the songs of Schubert, Schumann, Franz, Brahms, Strauss, Reger, and others. Instrumental Music of this period; Verdi, and the Modern Italian School; the Modern French School of Opera. F. 1-3, second term.

5. (a) Elementary Counterpoint.

(b) Harmonic Analysis.

(c) Lessons in Music Form; Song Writing and Composition.

Two hours a week, first term.

6. **MODERN MUSICAL COMPOSITION.** The course consists of lectures on the following subjects: Oratorio; the Symphonic Poem in Germany; Richard Wagner's Music Dramas; Schubert, Weber, Mendelssohn, Schumann, Chopin, Liszt; German Opera since Wagner; Debussy; the Russian School; Music in England and America. Two hours a week, second term.

Arrangements can be made with the head of the Department for lessons in singing and on the piano.

DEPARTMENT OF ART.

MISS DOLFINGER.

MISS SPERRY.

Hours to be arranged.

1. COURSE IN COMPOSITION IN DESIGN. Principles upon which good design is composed—beginning with line work to show how the line is the foundation of all design, and branching to more complex patterns. The uses of design in compositions in portraits and landscapes will be explained at different stages. These examples are works of eminent artists, for the purpose of art appreciation.

No laboratory fee. Student will furnish his own material.

2. COURSE IN METAL AND JEWELRY WORK. The Metal Work is the practical application of the Design in course 1. Simple examples in jewelry will be included in the second semester.

DEPARTMENT OF PUBLIC LECTURES.

During the past year this course consisted of a series of lectures on *The History of Mathematics*, by Dr. Louis Siff, and lectures by Dr. Anna Shaw, Dr. F. S. Luther, and others.

Students Enrolled 1912-13

College of Arts and Sciences



GRADUATE STUDENTS.

- J. O. Arnold, A. B., Central University.
Fred L. Greeson, A. B., Indiana University.
Hattie L. Heft, S. B., University of Louisville.
Anna E. Heick, S. B., University of Pennsylvania.
Leichi Ikemoto, A. B., Park College, Mo.
E. L. Jorgenson, A. B., Western Bible and Literary College.
Julia King, A. B., University of Louisville.
Louise M. Kornfeld, S. B., University of Kentucky.
Anna Lillian Logan, A. B., University of Louisville.
Elizabeth Phillips McConathy, A. B., University of Louisville.
J. H. Mueller, S. B., Illinois Wesleyan.
Mattie B. Scott, A. B., University of Louisville.
Margaret Shelley, A. B., Vassar College.
Mary Louise Shelley, A. B., University of Louisville.
Helen S. Ward, A. B., A. M., University of Louisville.
James A. White, Th. B., Th. M., Southern Baptist Theological
Seminary.

UNDERGRADUATE STUDENTS

Ackiss, E. L.	Dempf, Celeste.	Harriman, J. T.
Alhorn Mary Louise.	Dempf, Emma.	Harrington, Ruth.
Argon, W. W.	Denham, Wm. E.	Harrison, Katherine C.
Atkinson, Cecil.	Dorsey, Adele.	Harris, Maud Rucker.
Baker, Hortense.	Duncan, Lucie.	Heaton, Jessie.
Barkhouse, Marie.	Eager, Louise.	Hendry, Edna B.
Batman, Miles.	Easterbrook, George H.	Herr, Susie M.
Baude, Edith M.	Elliott, Winifrede.	Hilley, Hans M.
Beaston, Thomas.	Errington, Katherine.	Hoskins, Bessie.
Bell, Madeleine R.	Esch, Bianca.	Hoskins, Laura.
Bernheimer, Ruth.	Eschrich, J. L.	Howard, Nell W.
Best, Effie.	Fairleigh, Florence A.	Huber, Grace B.
Bickle, Elizabeth.	Finstrom, Ernest A.	Humphrey, Mary B.
Booker, Richard E.	Frank, Olive.	Hunt, Chas. A.
Boswell, Geo. S.	Frazee, Ewing.	Jackson, Florence G.
Bottomley, Mary A.	Gailbreath, Ella L.	Johnston, Leonora.
Bower, Alleen W.	Gallagher, Mary A.	Johnston, Robt. L.
Bradbury, Julian M.	Gardner, Claudia May.	Jones, B. C.
Breeds, Annie Elizabeth.	Gerst, Augusta B.	Jones Jeanette.
Broeker, John F.	Gibson, Elmer.	Jones, Mary Ellis.
Butler, Joseph G.	Goodwin, Sherley.	Jones, Mary Lee.
Caldwell, C. N.	Gough, Elviere F.	Kahn, Mary C.
Caldwell, E. N.	Grant, Henry Lee.	Kelly, Agnes B.
Chow, Knei.	Grant, Raymond.	Kincaid, Annie.
Clark, Lois M.	Graumann, Edna.	Klein, Katherine J.
Cohn, A. A.	Greenaway, Imogene.	Klein, John Edmond.
Coldewey, Anna.	Griffith, Ethel.	Knasel, Rose.
Cooper, David L.	Hamilton, Olus.	Kolb, J. Alton, Jr.
Crane, H. H.	Hermack, C. L.	Kornfeld, Katherine.
Crume, W. R.	Hampton, Eleanor.	Lambert, J. L.
Cowley, Arthur E.	Hanks, Ada M.	Lampton, Clark S.
Daniel, Roy.	Hardesty, Anna.	Larson, Andrew N.
Daugherty, R. E.	Harmon, M. F.	Lehan, Anna.
Dean, Nora D.	Harreld, Beatrice M.	Lehnert, Alma.

Lindley, Frank.	McKnight, Lucille.	Soanleng, Joseph.
Litz, T. G.	McMartin, F. D.	Speaker, Lewis P.
Logan, Lillian B.	McMurray, Geo. J.	Speed, Jack.
Logeman, John F., Jr.	Norton, Frank.	Sproke, Lucille T.
Long, Katherine.	Nugent, R. C.	Stark, Edith M.
Lukenbill, Clara L.	Offutt, Marie Lillian.	Stein, Pauline M.
Maratta, Carolyn.	Owens, Ollie B.	Stotsenberg, Mary B.
Maratta, Sue.	Pearcy, H. R.	Taffe, Viola Elizabeth.
Marmor, Emma Jay.	Penix, J. S.	Taylor, Elsa R.
Marshall, Sallie Ewing.	Perry, Rose.	Temple, Henry.
Martin, Eleanor.	Phillip, Iowa.	Templeton, Myrtle.
Metcalf, Francis S.	Pierle, Nettie.	Thompson, Eleanor K.
Miles, Jacob E.	Roach, Pauline J.	Thro, Arthur.
Milner, Jean S.	Reilly, Florence.	Varjo, J. I.
Mitchell, Lena.	Rodgers, Clarence.	Van Pelt, Mary C.
Montgomery, Katherine.	Rogers, Ralph W.	Walker, Stanley Ward.
Morat, Catherine L.	Rose, Smith Leon.	Warren, Christine.
Moorman, K. C.	Rosenberger, Martin.	Weibel, Elise.
Mundy, Jessie.	Rosenfelder, Aimee H.	Weibel, Margaret M.
Murphy, Cornelia C.	Runkle, John D.	Weigel, Caroline L.
McCaleb, Lois.	Rutherford, H. N.	Weygold, Frieda.
McCaleb, J. H.	Ryan, Anna C.	White, Charles L.
McCallum, Florence D.	Sanders, Myra.	Wigginton, Wilna.
MacCraken, Frances L.	Schultz, Emil A.	Will, Joe.
MacCollough, W. N. D.	Selmeier, Anita M.	Williams, Warren D.
McDonald, Emily Condit.	Shapinsky, Robt. B.	Wimp, Charlotte.
McFarland, Monta M.	Shelley, Mary S.	Woodside, Tom.
McInnis, A. M.	Snyder, Bernard.	

Students Enrolled in Music Department



Abraham, Louise.	Harmon, W. F.
Bacon, Ethel Swann.	Heinz, Adeline.
Bacon, Maria Sydney.	Hilley, Hans McIntyre.
Bailey, Anne.	Huber, Grace.
Brown, Irene Marie.	Isaacs, Edith.
Brown, Robert Edward.	Jorgenson, Elmer Leon.
Bernheimer, Ruth.	Jones, Mary Ellis.
Bernheimer, Bertya.	Johnston, Robert L.
Coleman, E. J.	Lampton, Clark S.
Callahan, Elizabeth.	Lutz, Fred L.
Cuscaden, Geo. W.	Lindsay, Rev. E.
Coffman, Grace.	McDaniel, Katherine.
Dosker, Gertrude Elizabeth.	McDaniel, L. C.
Downing, Amelia Kendrick.	McGann, E. C.
Dearing, Mrs. Myrtle.	Mitchell, Dr. Noble.
Ewald, Louis Philip.	Pierce, John.
Edmonds, Elizabeth.	Ross, Capitola.
Flynn, J. F.	Russell, Jane.
Gilmore, Mrs. T. A.	Rucker, Henrietta.
Gosness, Reea Ilma.	Shouse, Lorraine.
Gunn, Charles Groshon.	Sigler, Catherine.
Gratz, Saidee.	Swann, Elsie L.
Gibson, Oscar Lee.	Selmeier, Anita.
Gough, Elviere.	Sprague, Ruth.
Harrison, C. B.	Taylor, Mrs. Thomas.
Hutchings, Mrs. Will.	Thixton, Effie.
Harrington, Ruth.	Turner, Celeste Godfrey.
Harmon, Hattie Wooten.	Wells, Evelyn.

Total Music Students ----- 56

Total Academic Students -----203

259

Less names counted twice -----12

Sum total -----247

Alumni

College of Arts and Sciences



1907—1908

BACHELORS.

Baird, Louise.
Brigman, B. M.
Catlin, Olive.
Chamberlin, Kate.

Cone, Vera.
Poulson, Edward T.
Simpson, Virgil.
Slifer, A. C.

Ward, Helen Shippen.
Werness, Inga.
Witherspoon, Florence
P.

MASTERS.

Campbell, Marion.
Frazee, Geo. B.
Green, Alice L.

Hill, Lewis.
Hill, Ralph.

Kennedy, Grace A.
Thwing, F. F.

1908—1909

BACHELORS.

Gross, Fannie S.
Johnston, Elizabeth
Rhodes.

Knighton, Hadley B.
McConathy, Elizabeth
Phillips.

Scott, Mattie Belle.
Voegtle, Anna.

MASTERS.

Catlin, Olive B.
Poulson, Edw. T.

Ward, Helen S.

Werness, Inga.

1909—1910

BACHELORS.

Buchanan, Elizabeth
Mildred.
Callaway, Eleanor Hunt
Wickliffe.
Logan, Anna. Lillian.

McDonald, Charles
Howard.
Murphy, Ethel Allen.
Taylor, Josephine
Newman.

Van Arsdale, Mary
Elizabeth.
Yunker, Emilie.

MASTERS.

Frost, Minnie Carfield.

Knighton, Hadley
Blanch.

1910—1911

BACHELORS.

Hodges, Helen McClure
Hedden, Daisy.
King, Julia C.
Miller, Lois M.

Moses, Elsie Nina.
Smith, Mary Pressley.
Spillman, Ora Dell.

Thornberry, J. E.
Winkler, Gertrude M.
Winkler, Margaret L.

MASTERS.

Murphy, Ethel Allen.

Yunker, Emilie.

1911—1912

BACHELORS.

Daniel, Gilbert J.
Dustin, Andrew P.
Heffernan, Viola Marie.

Heft, Hattie L.
Heinz, Adeline.

Jenks, Clarence E.
Terry, Ruth Eagleton.
Shelley, Mary Louise.

MASTERS.

Brigman, Bennett
Mattingly.
Lee, Alexander Y.

Lenz, Henry William.
McGregor, Harold
Hossack.

Smith, Mary Pressley.

Graduating Class

College of Arts and Sciences



1912—1913

BACHELORS.

Bottomley, Mary A.
Caldwell, C. N.
Marshall, Sally Ewing.

Rogers, Ralph W.
Stark, Edith M.

Thompson, Eleanor K.
Warren, Christine.
White, James A.

MASTERS.

Heft, Hattie L.

McConathy, Elizabeth
Phillips.

Medical Department

OF THE

University of Louisville

1913-1914

Seventy-Seventh Year

JENNE-FOWLER COMPANY
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1913

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JOSEPH B. MARVIN, B. S., M. D., LL. D., *President.*

W. ED GRANT, M. D., *Dean.*

DAVID C. MORTON, M. D., *Assistant to Dean.*

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JOSEPH B. MARVIN, B. S., M. D., LL.D.,

W. ED GRANT, M. D.

Calendar

SESSION 1913-1914.

Examinations for admission and advanced standing will be held on Monday and Tuesday, September 29 and 30, in the College building.

The seventy-seventh regular session will begin Wednesday, October 1, 1913, and will continue eight months.

November 27-29, Thursday to Saturday, both inclusive,—Thanksgiving Recess.

December 24th to January 1st, both inclusive—Christmas Holiday Recess.

February 22—A Holiday.

For catalogue and general information, address The Dean, Medical Department, University of Louisville, 101 West Chestnut Street, Louisville, Ky.

FACULTY

- J. M. BODINE, M. D., LL. D. -----Atherton Building
Professor Emeritus of Anatomy.
- WM. O. ROBERTS, M. D.-----Atherton Building
Professor Emeritus of Surgery and Clinical Surgery.
- WILLIAM CHEATHAM, M. D. -----303 W. Chestnut Street
*Professor Emeritus of Diseases of the Eye, Ear,
 Nose and Throat.*
-
- JOSEPH B. MARVIN, B. S., M. D., LL.D.-----1385 Fourth Avenue
Professor of Medicine and Neurology, President of the Faculty.
- W. ED GRANT, M. D.-----101 W. Chestnut Street
Dean of the Faculty.
- C. W. KELLY, M. D., C. M. -----St. Charles Place
Professor of Anatomy.
- WILLIAM H. WATHEN, A. M., M. D., LL. D. --The Gaulbert Building
Professor of Abdominal Surgery and Gynecology.
- L. S. McMURTRY, A. M., M. D., LL. D.-----The Atherton Building
Professor of Abdominal Surgery and Gynecology.
- H. HORACE GRANT, A. M., M. D.-----The Atherton Building
Professor of Surgery and Clinical Surgery.
- JOHN G. CECIL, B. S., M. D.-----The Atherton Building
Professor of Principles of Medicine and Clinical Medicine.
- ISADORE N. BLOOM, A. B., M. D. -----The Atherton Building
Professor of Cutaneous, Venereal and Genito-Urinary Diseases.
- WILLIAM C. DUGAN, M. D.-----1267 Brook Street
Professor of Surgery and Clinical Surgery.
- CARL WEIDNER, M. D. -----St. Charles Place
Professor of Hygiene and Preventive Medicine.
- J. MORRISON RAY, M. D. -----The Atherton Building
*Professor of Diseases of the Eye, and Clinical Diseases of the
 Ear, Nose and Throat.*
- SAMUEL G. DABNEY, M. D. -----216 W. Chestnut Street
*Professor of Diseases of the Ear, Nose and Throat, and
 Clinical Diseases of the Eye.*
- LOUIS FRANK, M. D.-----The Atherton Building
Professor of Abdominal Surgery and Gynecology.
- J. GARLAND SHERRILL, A. M., M. D. -----The Atherton Building
Professor of Surgery and Clinical Surgery.

- PHILIP F. BARBOUR, A. M., M. D. -----The Atherton Building
Professor of Pediatrics.
- ADOLPH O. PFINGST, M. D. -----The Atherton Building
*Professor of Diseases of the Eye, and Clinical Diseases of the
Ear, Nose and Throat.*
- GEO. C. HENDON, M. D. -----1826 Baxter Avenue
*Professor of Principles and Practice of Surgery
and Clinical Surgery.*
- HUGH N. LEAVELL, M. D. -----1028 Second Street
Professor of Materia Medica and Therapeutics.
- EDWARD SPEIDEL, M. D. -----The Atherton Building
Professor of Obstetrics.
- WILLIAM B. DOHERTY, M. D. -----The Atherton Building
Professor of Obstetrics.
- BERNARD ASMAN, A. M., M. D. -----The Atherton Building
Professor of Diseases of the Rectum.
- CHARLES W. HIBBITT, A. B., M. D.-----The Atherton Building
Professor of Gynecology.
- IRVIN ABELL, A. M., M. D.-----The Atherton Building
*Professor of Principles and Practice of Surgery
and Clinical Surgery.*
- WILLIAM A. JENKINS, A. M., M. D.-----The Atherton Building
Professor of Medicine and Clinical Medicine.
- JOHN R. WATHEN, A. B., M. D.-----The Gaulbert Building
*Professor of Principles and Practice of Surgery
and Clinical Surgery.*
- VIRGIL E. SIMPSON, A. B., M. D.-----The Atherton Building
Professor of Materia Medica and Therapeutics.
- GRANVILLE S. HANES, M. D. -----The Masonic Building
Professor of Diseases of the Rectum.
- LEON K. BALDAUF, A. B., M. D.-----Eastover
Professor of Pathology and Bacteriology.
- CHAS. O. ZAHNER, Ph.G., M.D.,-----Cor. First and Chestnut Sts.
Professor of Physiology.
- GEORGE B. JENKINS, M.D.,-----Cor. First and Chestnut Sts.
Professor of Anatomy, Histology and Embryology.
- CHARLES J. ROBINSON, B. S., Ph. D. ----Cor. First and Chestnut Sts.
Professor of Chemistry.

- ISAAC LEDERMAN, A.B., M.D.-----The Atherton Building
*Professor of Diseases of the Ear, Nose and Throat, and
 Clinical Diseases of the Eye.*
- SIDNEY J. MEYERS, M.D.-----The Atherton Building
Professor of Economics and Medical Ethics.
- GILBERT BURNETT-----Louisville Trust Co. Building
Professor of Medical Jurisprudence.
- HARRY A. DAVIDSON, M.D.-----The Atherton Building
Adjunct Professor of Pediatrics.
- CHARLES G. LUCAS, A.B., M.D.-----The Atherton Building
Adjunct Professor of Gastro-Intestinal Diseases and Dietetics.
- CUTHBERT THOMPSON, M.D., C.M. Edin.,
 The Weissinger-Gaulbert Building.
Adjunct Professor of Nervous Diseases.
- JOHN J. MOREN, M.D.-----The Weissinger-Gaulbert Building
Adjunct Professor of Mental and Nervous Diseases.
- J. ROWAN MORRISON, M.D.-----The Weissinger-Gaulbert Building
Adjunct Professor of Medicine and Clinical Medicine.
- FRANK W. FLEISCHAKER, Ph.G., M.D.-----The Atherton Building
Adjunct Professor of Medicine and Clinical Medicine.
- WM. E. GARDNER, M.D.-----Lakeland, Ky.
Lecturer on Psychiatry.
- THOMAS K. VAN ZANDT, A.B., M.D.-----The Atherton Building
*Adjunct Professor of Obstetrics and Consulting Anaesthetist
 to City Hospital.*
- J. BELL LUKINS, M.D.-----2454 Catalpa Street
Adjunct Professor of Obstetrics.
- HERBERT BRONNER, A.B., B.S., M.D.-----The Atherton Building
*Adjunct Professor of Venereal, Cutaneous, and
 Genito-Urinary Diseases.*
- CLEMENT B. SPALDING, A.B., M.D.-----St. Charles Place
Adjunct Professor of Surgery.
- C. GUY FORSEE, M.D.-----The Atherton Building
Adjunct Professor of Surgery.
- LEE KAHN, M.D.-----The Atherton Building
Adjunct Professor of Surgery.
- ALBRO L. PARSONS, B.A., M.D.-----Baxter and Bonnycastle
Adjunct Professor of Surgery.

- ELLIS DUNCAN, M.D.-----The Atherton Building
Adjunct Professor of Pathological Anatomy.
- HEMAN HUMPHREY, A.B., M.D.-----1901 Barret Avenue
Adjunct to the Chair of Anatomy.
- JNO. W. PRICE, JR., M.D.-----The Atherton Building
Assistant in Surgical Pathology.
- EMMET F. HORINE, M.D.-----1036 Bardstown Road
Adjunct in Abdominal Surgery and Gynecology.
- GAVIN FULTON, M.D.-----Weissinger-Gaulbert
Assistant in Pediatrics.
- R. HAYS DAVIS, M.D.-----The Atherton Building
Assistant in Medicine and Clinical Medicine.
- GEORGE A. ROBERTSON, M.D.-----The Atherton Building
Assistant in Diseases of the Eye, Ear, Nose and Throat.
- CHARLES FARMER, M.D.-----401 E. Broadway
Adjunct in Abdominal Surgery and Gynecology.
- W. BARNETT OWEN, A.B., M.D.-----The Atherton Building
Adjunct in Abdominal Surgery and Gynecology.
- SIEGEL C. FRANKEL, M.D.-----The Atherton Building
Assistant in Clinical Medicine.
- DAVID MORTON, M.D.-----Louisville
Assistant in Clinical Medicine.
- J. A. KIRK, M.D.-----The Atherton Building, Louisville, Ky.
Assistant in Clinical Medicine.
- CHAS. H. WHITLATCH, M.D.-----713 Second St.
Assistant in Surgery and Clinical Surgery.
- E. OWSLEY GRANT, A.B., M.D.-----The Atherton Building
Assistant in Surgery and Clinical Surgery.
- C. G. ARNOLD, M.D.-----The Atherton Building
Assistant in Abdominal Surgery and Gynecology.
- CHAS. J. ROSENHAM, M.D.-----723 West Jefferson St.
Assistant to the Chair of Cutaneous, Venereal and Genito-Urinary Diseases.
- ELMER LEE HENDERSON, M.D.-----Weissinger-Gaulbert
Assistant in Diseases of the Rectum.
- D. Y. KEITH, M.D.-----Masonic Building
Assistant in Diseases of the Rectum.

- CLAUD T. WOLFE, M.D.-----Atherton Building
Assistant to the Chair of Diseases of the Eye, Ear, Nose and Throat.
- JOSEPH CHANDLER, A.B., Ph.D.-----Cor. First and Chestnut Sts.
Assistant to Professor of Chemistry.
- IVAN E. WALLIN, A.M.-----Louisville, Ky.
Assistant in Anatomy, Histology and Embryology.
- EDWIN T. BRUCE, M.D.-----The Weissinger-Gaulbert
Assistant in Clinical Surgery.
- J. HOWARD MUELLER, B.S.-----101 W. Chestnut St.
Instructor in Chemistry.
- EDWARD C. REDMON, M.D.-----The Atherton Building
Assistant in Materia Medica, Therapeutics.
- IRWIN LINDENBERGER, M.D.-----The Atherton Building
Assistant in Clinical Medicine.
- THEODORE L. BURNETT, M.D.-----Louisville, Ky.
Assistant in Physiology and Pharmacology.
- VARNEY HAZLEWOOD, M.D.-----Louisville, Ky.
Instructor in Pathology and Bacteriology.
- WM. SPENCER NEEDHAM, M.D.-----Louisville, Ky.
Assistant in Neuro-Pathology.
- HIRAM S. EGGERS, M.D.-----Louisville, Ky.
Assistant in Parasitology.
- EMORY LAW DRAVO, M.D.-----Louisville, Ky.
Assistant in Clinical Medicine.
- JAMES E. WINTER-----Louisville, Ky.
Technician in Pathology and Bacteriology.
- CHAS. K. BECK, M.D.-----3341 W. Market St.
Assistant in Clinical Medicine.
- J. H. PRITCHETT, M.D.-----The Atherton Building, Louisville, Ky.
Assistant in Pediatrics.
- J. R. BOST, M.D.-----Louisville, Ky.
Assistant in Anaesthetics at City Hospital.
- L. A. CRANDALL, M.D.-----Lyndhurst Ave., Louisville, Ky.
Assistant in Anaesthetics at City Hospital.
- DONALD CLARK, M.D.-----The Atherton Building, Louisville, Ky.
*Assistant to Chair of Cutaneous, Venereal and Genito-
Urinary Diseases.*

- JOHN V. H. BEDINGER, M.D.-----Louisville, Ky.
Assistant in Pediatrics.
- WILLIAM E. GARY, M.D.-----Louisville, Ky.
Lecturer on Vital Statistics and Food.
- JAS. ROYDEN PEABODY, M.D.-----Atherton Bldg.
Assistant in Otology.
- WALTER DEAN LEVI, A.B., M.D.--Atherton Building, Louisville, Ky.
Assistant to Chair of Diseases of the Eye, Ear, Nose and Throat.
- CHARLES W. JEFFERSON, M.D.-----Atherton Building
Assistant in Obstetrical Pathology.
- EDWARD B. RITCHEY, M.D.-----Weissinger-Gaulbert
Assistant in Neurology.
- S. C. MCCOY, M.D.-----Atherton Building
Assistant in Surgery.
- GUY P. GRIGSBY, M.D.-----Second and Chestnut Sts.
Assistant in Abdominal Surgery and Gynecology.
- LOUIS MOIR, M.D.-----Louisville
Demonstrator of Radiography.
- GEORGE C. LEACHMAN, M.D.-----1127 S. 4th St.
Assistant in Clinical Surgery.
- J. A. O. BRENNAN, M.D.-----631 S. 5th St.
Assistant in Anatomy.

Announcement

The Medical Department of the University of Louisville is the second oldest Medical School now in existence west of the Alleghenies. During its seventy-six consecutive annual sessions it has had in its Faculty and in its Alumni many of the most renowned teachers and authors in the medical profession of this country.

In 1908 the following named Medical Schools, by mutual agreement of the respective Faculties, and in perfect accord, united and became the Medical Department of the University of Louisville, transferring their properties, good will, and prestige, and their Alumni are made Alumni of the Medical Department of the University of Louisville.

THE MEDICAL DEPARTMENT OF THE UNIVERSITY OF LOUISVILLE.

Organized in 1837.

THE KENTUCKY SCHOOL OF MEDICINE.

Organized in 1850.

THE LOUISVILLE MEDICAL COLLEGE,

Organized in 1869.

THE HOSPITAL COLLEGE OF MEDICINE,

Organized in 1873.

MEDICAL DEPARTMENT OF KENTUCKY UNIVERSITY,

Organized in 1898.

These five schools have graduated 20,000 physicians, and now have in active practice, located in every State in this country, nearly 10,000 Alumni.

The Medical Schools of Kentucky, since the organization of the Medical Department of Transylvania University in 1817, because of their recognized high standards and the excellence in teaching, have been liberally patronized by the students of all the States and from many foreign countries.

By the merging of these five schools, medical education in Louisville is maintaining a relatively higher standard than at any time in its past history, and the Medical Department of the University of Louisville is abundantly prepared to meet the demands of the rapid evolution in medical education, both in the biologic and pure science departments, and in their practical application in the prevention and cure of disease.

The equipment of the many laboratories in the biologic and practical departments is such as to meet all demands of the Boards that control the practice of medicine in every State, and of the Council on Medical Education of the American Medical Association, and the school is in every way conforming to the methods, and meets the requirements of the Medical Departments of the best universities.

University of Louisville

The University comprises three colleges, all of which are governed by the Board of Trustees of the University.

THE ACADEMIC DEPARTMENT OR COLLEGE OF LIBERAL ARTS AND SCIENCES will reopen Monday, September 22, 1913. Courses in fourteen departments will be offered in 1913-1914. The College will grant the Baccalaureate degree in all departments; the Master's degree for the present will be conferred only in the departments of English, Latin, Greek, French, German, History, Mathematics, Biology, and Chemistry.

For information or catalogue, address the Dean, John Patterson, A. M., LL. D., 119 West Broadway, Louisville, Kentucky.

THE MEDICAL DEPARTMENT. Member of the Association of American Medical Colleges. The course of study leads to the degree of M. D. The sessions of this Department begin October 1st and continue eight months. For special information of the Medical Department address the Dean, W. Ed Grant, M.D., Louisville, Ky.

THE LAW DEPARTMENT of the University of Louisville has been in successful operation since 1848. Refers to its graduates all over the Union.

For catalogue address: C. B. SEYMOUR, *Dean*.

DISPENSARY.

The Dispensary or Outdoor Department of the Louisville City Hospital is open every morning and afternoon, affording a large walking clinic. A Chief of Clinic assigns patients to the various departments, where each is treated by the Professor and assistants representing the department to which the disease belongs. Attendance at the dispensary is required of all students in the Senior and Junior Classes.

CITY HOSPITAL.

The new \$1,000,000 City Hospital is just completed, and is one of the most perfect institutions of the kind in the United States; it occupies two acres of ground very near the college building; it is constructed on the pavilion plan, and has a capacity of about five hundred beds. It is splendidly equipped for up-to-date medical teaching, X-ray examinations, waiting and treatment rooms, has a large clinical amphitheater and a number of smaller operating rooms; laboratories well equipped for pathological, bacteriological and microscopical and routine investigation, under the charge of competent instructors.

The Hospital is under municipal control and supported entirely by the city; the University being the property of the city, is in this way provided with abundant clinical opportunities of every variety. There are no pay-patients in the hospital.

The City Dispensary in the hospital building is spacious and complete in every respect. The students under the direction of the instructors in the Pathological Laboratory at the hospital make microscopical examinations of material from the patients they see in the dispensary.

Practically all the work of the fourth year class, and much of that of the third year, is given in the hospital and dispensary.

In addition to obstetrical work in the hospital, a Maternity Dispensary is maintained in the center of a large dispensary district, where patients are received and examined. Students of the University attend all confinements, and under the supervision of the physician in charge of the dispensary, they are assigned to duty in sections of two, and while on duty reside at the Dispensary.

THE SCHOOL BUILDING.

This magnificent structure, on the northwest corner of Chestnut and First Streets, which was completed in 1893, is acknowledged to be one of the best appointed buildings for teaching modern medicine in this country. The entire outer walls are of rough stone and its interior is finished throughout in hard woods. Decorative tiling covers the spacious halls and mammoth dissecting room. The stairways are of iron and brass, rendering the building well nigh fire-proof. The lecture rooms are supplied with comfortable opera chairs, afford ample accommodation, and the student's comfort is enhanced by individual lockers and numerous lavatories. The Chemical, Physiological, Pathological, Pharmacological, Bacteriological,

Anatomical and Histological Laboratories are completely equipped with apparatus of the latest type, and nothing has been spared to render every department thoroughly up to date.

SESSION 1913-1914.

The seventy-seventh regular session will begin Wednesday, October 1, 1913, and will continue eight months.

Students are required to matriculate each year at the beginning of the session.

The requirements for admission to the Medical Department of the University of Louisville, are those of the Association of American Medical Colleges, of which this school is a member, and are as follows:

REQUIREMENTS FOR ADMISSION.

(a) Completion of a four years' High School course, or other equivalent of fourteen Carnegie units.

Students are not admitted with conditions.

(b) An examination in the following branches, totaling fourteen units:

(A) Required, five units:	Units.
Mathematics (minimum 2 years, maximum 3 years), Algebra and plane geometry.....	2
English (minimum 2 years, maximum 4 years).....	2
History (U. S.) and Civics.....	1
	—
Total number of required units.....	5

(B) Elective, 9 units.

To be selected from the following:

	Units.
English language and literature (in addition to the required work)-----	1 to 2
Foreign languages, additional, Latin, German, Italian, French, Spanish or Greek (not less than one year in any one)-----	1 to 4
Advanced mathematics, advanced algebra, solid geometry and trigonometry ($\frac{1}{2}$ year each) -----	1
Natural science, chemistry 1 year, physics 1 year, and biology, botany, physiology and zoology ($\frac{1}{2}$ to 1 year each)-----	$\frac{1}{2}$ to 2
Earth Science, physical geography, geology and agriculture ($\frac{1}{2}$ year to 1 year each)--	$\frac{1}{2}$ to
Astronomy ($\frac{1}{2}$ year) -----	$\frac{1}{2}$
Drawing ($\frac{1}{2}$ to 1 year) -----	$\frac{1}{2}$ to 1
History, ancient, medieval and modern, and English (1 year each) -----	1 to 3
Economics ($\frac{1}{2}$ year) -----	$\frac{1}{2}$
Manual training (1 year) -----	1
Book-keeping ($\frac{1}{2}$ to 1 year) -----	$\frac{1}{2}$ to 1

One unit in any subject is the equivalent of work in that subject for four or five periods per week for a year of at least thirty-six weeks, periods to be not less than forty or forty-five minutes in length. One unit is equivalent to 2 semester credits or 2 points.

Each student must secure a Medical Students' Admission Certificate from the Official Examiner of the Kentucky State Board of Health. This Certificate is issued by the Examiner upon the presentation of literary credits covering the required number of units.

The official Examiner of the State Board of Health has his office near the office of the Dean, and is accessible at all times.

The time set for matriculation and registration is the two days preceding the opening of the session. The regular schedule of work begins on the first day of the session.

ADMISSION TO ADVANCED STANDING.

Students will be admitted to advanced standing on presentation of the following evidence:

1. That the foregoing terms of admission in regard to preliminary training have been fulfilled.

2. That medical courses equivalent in time and amount to those given in this school in the year or years preceding that to which admission is desired, have been satisfactorily completed.

3. The applicant must have studied as a matriculated medical student, for a period of time at least equal to that already spent by the class to which he seeks entrance.

4. Students from other schools are admitted upon a satisfactory examination in previous work. Students from "B" grade schools will not be granted more than two years of advanced standing, and students from "C" grade schools will not be granted more than one year of advanced standing.

5. Physicians who have already received the degree of Doctor of Medicine elsewhere, will not be admitted as candidates for that degree from this University. If further instruction is desired, they are advised to enter as post-graduate students.

In order to graduate, a student must have a satisfactory standing in all courses.

If a student is required to repeat his work in any subject, he must give up any advanced course, if the time of the latter conflicts with that of the former. The work done in an approved summer school will be accepted upon passing a satisfactory examination.

PROMOTION.

The regular promotion from one class to another will be made by the Committee on Matriculation and Promotion, after the examinations at the close of the last semester, and each student will be notified of his grade in writing. The promotion of students will be based upon the following rules:

1. Students will not be promoted who have failed in more than two subjects; and students making a grade below 60% in any class, will be required to repeat that course.

2. The student must have passed every subject in the class two years below that which he wishes to enter—that is, he cannot enter the third year until all work of the first year is completed; he cannot enter the fourth year until all work of the second year is completed; he cannot enter the second-half of the fourth year until all work of the junior year is completed.

ADDITIONAL REQUIREMENTS AFTER JANUARY, 1914.

The minimum requirement for admission to the Medical Department of the University of Louisville, beginning October, 1914, will be represented by two years' college work, involving the study of Chemistry, Biology, Physics, French or German and Latin. Candidates may pursue this college preparatory work in the Academic Department of the University of Louisville.

This places the University of Louisville upon a high plane, as five States in the Union have already made this requirement obligatory, and Kentucky will do the same.

COMBINED ACADEMIC AND MEDICAL COURSE.

A combined academic and medical course is given by the University of Louisville, the degrees of B. S. and M. D. being given for the completion of a six years' course in the two departments.

The University of Louisville prescribes nine required points and eight elective points for the Baccalaureate Degree, but it will confer the combined degrees of B. S. and M. D. for not less than six years' work, on the following conditions:

1. A student who has satisfied the requirements for admission to the Academic Department of the University of Louisville and who has made the nine points (of which the point in science shall be physics) required toward the Baccalaureate Degree, and, in addition, a point in Zoology or Botany, and has studied at least one year in residence at the Academic Department of this University, and upon the satisfactory completion of his full four years' work in that department, shall receive his B. S. degree from the Academic Department.

2. A student who has completed his medical course satisfactorily in the University of Louisville, and gives evidence that he has satisfied the requirements for admission to the Academic Department of the University, may enter the Academic Department, and on satisfying the nine points required towards the B. S. degree, and in addition, a point in Zoology or Botany, after at least one year of residence, shall receive his B. S. degree from the Academic Department.

REQUIREMENTS FOR GRADUATION.

The applicant for the degree of Doctor of Medicine must be twenty-one years old, and of good moral character; he must have

studied medicine not less than four years and have attended four recognized courses of lectures of not less than thirty-two weeks in four separate calendar years, the last of which must have been in this school.

He must have received clinical instruction during his Junior and Senior years in the clinical laboratories in the City Hospital.

He must have taken not less than two years of work in the laboratories of Anatomy, Chemistry, Physiology, Pharmacology, and Clinical Pathology, and one year in each of the laboratories of Histology, Embryology, Pathology, Bacteriology, and Operative Surgery; also two years of practical work in physical diagnosis, obstetrical manipulation, and the various clinical departments of medicine and surgery, and must have attended the 1,000 hours of actual work required in each of the four years.

He must furnish the Dean satisfactory credentials of having complied with these requirements. He must have been regular in attendance and have passed satisfactory examinations in all the branches included in the curriculum of each of the four years.

He must have paid all fees.

FINAL EXAMINATIONS FOR GRADUATION.

Are held at the close of the regular session by the Faculty, and include all subjects taught in the Senior year.

SPECIAL STUDENTS.

Graduates of medicine or others desiring to take courses not leading to graduation may be registered as special students, and may be admitted to such courses as they are fitted to take without preliminary examination, but only by permission of the Dean and the professor in charge of the course, and upon payment of the fees required. Subjects completed satisfactorily to the professor may be credited subsequently if the student enters upon a regular medical course.

POST-GRADUATE WORK.

By reason of the abundant supply of clinical material, the opportunities for post-graduate work in the University can hardly be surpassed. Special attention will be given to those who wish to take post-graduate courses, and physicians may select any line of work to which they care to devote their attention. The fee for this course is \$50.00.

GENERAL PLAN OF INSTRUCTION.

Instruction is carried on by laboratory work, recitations, lectures, bedside instruction, and hospital and dispensary clinics. Particular stress is laid upon laboratory work and clinical teaching. The clinical material of the City Hospital is used to the fullest extent, as the Hospital, the Dispensary and the Medical College all belong to the City of Louisville.

While the greatest stress is laid upon laboratory work and clinical teaching, it is recognized that the facts so obtained must be correlated and shown in their due relation to each other and to the science of medicine. To this end didactic lectures are maintained in certain branches, as they have been found necessary, to give a systematic and comprehensive idea of the larger subjects in medicine. These lectures are followed by systematic and thorough quizzes, so that it may be certain that the students properly and thoroughly grasp the ideas presented by the lectures. The recitation and quiz work is made so complete that students do not need to employ private quiz-masters.

The object sought throughout the course is to thoroughly ground the students in the knowledge which is necessary to the practitioner of medicine. No particular attempt is made to graduate specialists in any subject. It is believed that the four years allowed are no more than sufficient time for the adequate preparation of the general practitioner.

The policy adopted by the college is to give a comprehensive, well-graded and well-proportioned course,—one that will adequately prepare the graduate to practice general medicine and meet the requirements of State Boards.

Each year is divided into trimesters—the first extending from October 1st to the Christmas Recess; the second, from January 1st to March 15th; third, from March 15th to the end of the session.

The first two years of the course are devoted mainly to the anatomical and medical sciences, the larger part of the time being spent in practical work in the laboratories. In the last two years the various clinical branches are studied in the wards of the hospital, the dispensary and the clinical laboratories.

The principal studies of the first year are human anatomy, histology, neurology, bacteriology, physiology and chemistry. The study of anatomy and physiology is continued in the second year, together with general pathology, pathological anatomy and histology, pharmacology, toxicology and physiological chemistry.

During the latter part of the second year, instruction is begun in Physical Diagnosis and in certain surgical methods, as an introduction to the clinical work of the succeeding years.

During the third year, the students besides attending didactic lectures, attend the clinics and dispensary exercises in small sections, at the hospital.

The fourth year class is similarly divided into small sections. These sections act as clinical clerks in the medical and surgical wards of the hospital, patients being assigned to each student. They take the histories and keep notes of the cases, and under the guidance and direction of the staff officer, make the necessary examinations; they accompany the physician-in-chief or some member of the staff in his daily ward rounds, write the history of the new patients, are questioned as to the result of their examinations, and receive special bedside and laboratory instruction.

DEPARTMENT OF ANATOMY, HISTOLOGY AND EMBRYOLOGY.

C. W. KELLY, C.M., M.D.,
Professor of Anatomy.

GEORGE B. JENKINS, M.D.,
Professor of Anatomy, Histology and Embryology.

HEMAN HUMPHREY, A.B., M.D.,
Adjunct to Chair of Anatomy.

IVAN E. WALLIN, A. M.,
Assistant to Chair of Anatomy and Histology.

J. A. O. BRENNAN, M.D.,
Assistant to Chair of Anatomy.

Instruction in the Department of Anatomy includes all the various courses in gross and microscopic anatomy, which are under the immediate supervision of the head of the department.

Systematic dissections of the complete body, with drawings of important regions, are required from each student. The work of each student is closely followed by the instructors and personal quizzes and demonstrations on his dissection are given by them. The student's ability is judged largely from the manner in which he conducts his laboratory work.

In Histology and Embryology the necessary amount of time is devoted to instruction in the care and use of the microscope and to the preparation of histological material. A fee of \$5.00 is charged for the use of a microscope.

The courses in the Department of Anatomy are divided as follows:

FIRST YEAR ANATOMY.

Dissection of the upper extremity, neck, head and lower extremity. The Osteology of each part is studied in association with its dissection. After the general dissection of the part is completed, the joints and ligaments are dissected. With the aid of models, careful dissections of the eye, ear and larynx are made. Three hours per week are devoted to sectional demonstrations that follow the laboratory work closely and include important points in Topographical and Applied Anatomy.

15 hours per week, First Semester.

Dr. Jenkins, Dr. Humphrey, Mr. Wallin and Assistants.

SECOND YEAR ANATOMY.

Dissection of the abdomen, pelvis, thorax and nervous system (including Neuro-histology). Section demonstrations accompany the laboratory work, as in the first year anatomy, including Topographical and Applied Anatomy.

12 hours per week, First Semester.

Dr. Jenkins, Dr. Humphrey, Mr. Wallin and Assistants.

Anatomy Recitations. Lectures and recitations for First and Second Year Classes.

DR. KELLY.

HISTOLOGY AND EMBRYOLOGY.

The course in Histology devotes careful attention to the study of the tissues and of gross and microscopic architecture of the organs of the body. Two lectures per week accompany the laboratory work.

The last third of the course is devoted to Embryology and is conducted in a similar manner. The important stages in early development and in the formation of the organs and systems of the body are studied in the laboratory, supplemented by lectures as in Histology.

14 hours per week, Second Semester.

DR. JENKINS AND MR. WALLIN.

DEPARTMENT OF PHYSIOLOGY AND PHARMACOLOGY.

CHAS. O. ZAHNER, Ph.G., M.D.,
Professor of Physiology.

Assistant in Physiology and Pharmacology.

T. L. BURNETT, M. D.,
Assistant in Physiology and Pharmacology.

PHYSIOLOGY, 1.

THIRTY-TWO WEEKS, FIVE HOURS PER WEEK.

The work of this course occupies the freshman year, and is divided between lectures and demonstrations, supplemented in the second semester by such individual experimental work as the student is capable of doing.

Both lectures and demonstrations are carried on in the laboratory, in order that illustrative material may always be on hand.

The didactic course is supplemented as completely as possible by the use of projection apparatus. Students are in all cases required to take notes on lectures and demonstrations and when practicable, to supplement these with drawings.

PHYSIOLOGY, 2.

TWENTY WEEKS, FOUR HOURS LABORATORY AND
TWO HOURS LECTURE AND CONFERENCE
WORK PER WEEK.

In the sophomore year this work is as far as possible performed by the individual students, with the exception of those demonstrations the technique of which is beyond student experience. The students work in groups of not more than four, assemble their own apparatus and make their own preparations. In the course of the year, the work of the preceding year is reviewed and largely amplified.

A feature of this course lies in the fact that where possible the experimental work deals with the physiology of the human being, rather than with that of the lower animals. The students voluntarily become subjects for various lines of experiment.

DEPARTMENT OF CHEMISTRY.

CHAS. J. ROBINSON, B. S., Ph. D.,
Professor of Chemistry.

JOSEPH CHANDLER, A. B., Ph. D.,
Assistant to Professor of Chemistry.

J. HOWARD MUELLER, B. S.,
Instructor in Chemistry.

FIRST YEAR CHEMISTRY.

1. General and Inorganic Chemistry. 80 hours, 4 hours per week, first twenty weeks. Lectures and recitations, presenting the nature of matter, and general principles of chemical action, and the composition and properties of common substances, emphasizing the relation of chemistry to every-day life and to physiology and *matéria medica*.
Dr. Robinson.

2. Organic Chemistry. 48 hours, 4 hours per week, last 12 weeks. The properties and interrelations of the chief classes of carbon compounds are discussed, particular emphasis being laid on compounds occurring in foods, compounds formed in the animal body, and substances of medicinal value. The principles of drug synthesis are also dwelt upon.
Dr. Robinson.

3. Inorganic Laboratory Work and Qualitative Analysis. 96 hours, 4 hours per week, first 24 weeks. This course parallels closely the lecture course in General and Inorganic Chemistry, the student preparing for himself and studying the most important substances discussed in lectures, and performing experiments illustrating fundamental principles. Qualitative testing is kept in the foreground, and considerable practice is given in the identification of unknown substances.
Dr. Chandler and Mr. Mueller.

4. Volumetric Analysis. 32 hours, 4 hours per week, last 8 weeks. The student prepares standard solutions and performs analyses intended to give him a scientific foundation for the diagnostic methods with which he is confronted in physiological chemistry and clinical pathology.
Dr. Chandler and Mr. Mueller.

SECOND YEAR CHEMISTRY.

5. Physiological Chemistry. 60 hours, 2 hours per week, throughout the year. Lectures and recitations covering the carbohydrates, proteins and fats, the chemistry of digestion, the chemistry of blood, milk, protoplasm, and the tissues, the fate of food-stuffs after absorption, the excreted substances, and finally the composition and value of foods.
Dr. Robinson.

6. Organic and Physiological Chemistry Laboratory. 120 hours, 4 hours per week, throughout the year. This course includes the preparation and study of carbohydrates, proteins, fats, and other organic compounds, followed by experimental study of salivary, gastric, and pancreatic digestion, of the chemistry of bile, blood, milk, and various tissues, and a thorough course in qualitative and quantitative examination of urine. Finally, each student is required to perform upon himself a metabolism experiment, involving the collection and complete quantitative analysis of several 24-hour samples of urine. Practical points, such as the determination of gastric acidity and efficiency, the identification of gall-stones, detection of preservatives in milk, the analysis of bladder calculi, etc., are emphasized.

Drs. Robinson and Chandler.

PRE-MEDICAL COURSE IN CHEMISTRY.

As announced elsewhere in this catalogue, the entrance requirements after January 1, 1914, will include two years of college work in biology, chemistry, physics, and a modern language. Prospective students who wish to enter the medical course in October, 1914, may enroll for those courses in the fall of 1913 in the College of Liberal Arts of the University of Louisville. Chemistry 1 (see catalogue of College of Liberal Arts), given by Dr. Chandler, will be the course required of such students. This course consists of lectures and recitations three hours weekly, and laboratory four hours weekly, throughout the year. The chemistry departments of the Medical College and College of Liberal Arts are under the same faculty.

DEPARTMENT OF PHARMACOLOGY AND THERAPEUTICS.

HUGH N. LEAVELL, M.D.,
Professor of Pharmacology and Therapeutics.

VIRGIL E. SIMPSON, A.B., M.D.,
Professor of Pharmacology and Therapeutics.

E. C. REDMON, M.D.,
Assistant in Pharmacology.

-----, M.D.,
Instructor, Pharmacology Laboratory.

(a) PHARMACOLOGY, LABORATORY: Observation of the effects of drugs by laboratory demonstrations is as illuminating and necessary as is clinical instruction in the study of disease. This work will be done in conjunction with the didactic instruction for the purpose

of illustration and emphasis, and also in section work by the Sophomore Class, where the student will be required to conduct the demonstrations and keep records of all data, which must be turned in to the instructors and will be graded, thus constituting an important part in the determination of fitness for promotion to the Junior Class.

The laboratory is fully equipped with all the instruments of precision necessary for experimental work, and with an abundance of animals needed for the course. An adequate familiarity with the use of this equipment constitutes a part of the section instruction.

(b) PHARMACOLOGY, DIDACTIC: Systematic lectures on agents recognized as official by the United States Pharmacopoea are given with especial emphasis on the *how* of drug action. These are closely followed by quizzes and reviews.

(c) THERAPEUTICS: A didactic course of lectures and recitations on remedial agents and measures.

DEPARTMENT OF BACTERIOLOGY AND PATHOLOGY.

LEON K. BALDAUF, A. B., M. D.,
Professor of Pathology and Bacteriology.

ELLIS DUNCAN, M. D.,
Adjunct Professor of Pathological Anatomy.

VARNEY HAZLEWOOD, M. D.,
Instructor in Pathology and Bacteriology.

JOHN W. PRICE, JR., M. D.,
Assistant in Surgical Pathology.

WILLIAM SPENCER NEEDHAM, M. D.,
Assistant in Neuro-Pathology.

CHAS. W. JEFFERSON, M. D.,
Assistant in Obstetrical Pathology.

HIRAM S. EGGERS, M. D.,
Assistant in Parasitology.

JAMES E. WINTER,
Technician.

The plan of instruction in general and special Pathological Anatomy and Histology and Bacteriology includes laboratory work, demonstrations, recitations and lectures.

The laboratory work of nine hours a week continues throughout the first and second trimesters of the second year, and the third trimester of the first year.

CONDUCT OF AUTOPSIES.

Through Dr. Ellis Duncan, the City Coroner, and the close association of the Medical School with the city institutions, gross material in abundance is supplied. During the past year over one-hundred post-mortems were demonstrated to the members of the different classes.

In the rear of the medical building on First and Chestnut streets is a well-equipped post-mortem room, where the autopsies are witnessed by the second, third and fourth year students. Students are encouraged to assist at post-mortems, where they are instructed in the methods of holding autopsies and the making of careful records.

DEMONSTRATIONS IN GROSS MORBID ANATOMY.

Owing to the abundance of material and the inability of all the students at certain hours to be present, special hours throughout the week are set aside for the demonstration of collected material. In addition, specimens in the museum are exhibited.

PATHOLOGICAL HISTOLOGY.

This course for the second year class continues through the first and second trimesters, and consists of examination of tissue already studied as gross material, as well as of specimens in the laboratory collection.

Students stain and mount their own specimens. They are taught the preparation of tissue for rapid diagnosis and the use of the freezing microtome.

RECITATIONS.

At least once a week recitations are held by the head of the department, covering the work gone over in the laboratory, lecture room, and material seen at the post-mortem table.

LECTURES.

Lectures three times a week are given on subjects which cannot be satisfactorily completed in the laboratory.

BACTERIOLOGY.

The course continues nine hours a week for the first year class; through the third trimester. The aim is to have the course practical, to teach the students methods of making media, of staining and studying bacteria; to make them familiar with the cultural characteristics of the different bacteria; to teach methods of isolating bacteria, and to show the relation of pathological processes caused by these organisms.

IMMUNITY.

At a stated time, a series of lectures and demonstrations will be given, devoted to the subject of infection and immunity. Students will be instructed in the applied methods of bacteriology; the anti-rabic treatment, preparation of vaccines, serum reactions, agglutinins, precipitins, cytolysins and opsonins.

STUDENTS' JOURNAL CLUB.

Members of the second year class are considered members of the Journal Club, which meets one hour every two weeks. They report at the meetings upon papers of pathological interest that may appear in current journals.

EXPERIMENTAL PATHOLOGY.

During the first and second trimesters, a prescribed series of experiments will be assigned to the members of the second year class. Careful records will be made of these experiments, and reports made to entire class.

DEPARTMENT OF MEDICINE AND NEUROLOGY.

JOSEPH B. MARVIN, B. S., M. D., LL. D.,
Professor of Medicine, Clinical Medicine and Neurology.

JOHN G. CECIL, B. S., M. D.,
Professor of Medicine and Clinical Medicine.

WILLIAM A. JENKINS, A. M., M. D.,
Professor of Medicine and Clinical Medicine.

CARL WEIDNER, M. D.,
Professor of Hygiene and Preventive Medicine.

CHARLES G. LUCAS, A. B., M. D.,
Adjunct Professor Gastro-Intestinal Diseases and Dietetics.

CUTHBERT THOMPSON, C. M., Edin., M. D.,
Adjunct Professor of Nervous Diseases.

J. J. MOREN, M. D.,
Adjunct Professor Mental and Nervous Diseases.

J. ROWAN MORRISON, M. D.
Adjunct Professor of Medicine.

FRANK W. FLEISCHAKER, Ph. G., M. D.,
Adjunct Professor of Medicine and Clinical Medicine.

WM. E. GARDNER, M.D.,
Lecturer on Psychiatry.

R. HAYS DAVIS, M. D.,
Assistant in Clinical Medicine.

SIEGEL C. FRANKEL, M. D.,
Assistant in Clinical Medicine.

DAVID MORTON, M. D.,
Assistant in Clinical Medicine.

EDW. B. RITCHEY, M. D.,
Assistant in Mental and Nervous Diseases.

JAS. A. KIRK, M. D.,
Assistant in Clinical Medicine.

IRWIN LINDENBERGER, M.D.,
Assistant in Clinical Medicine.

CHAS. K. BECK, M. D.,
Assistant in Clinical Medicine.

EMORY LAW DRAVO, M. D.,
Assistant in Clinical Medicine.

MEDICINE (Including Work in the Clinical Laboratories.)

The teaching is in the dispensary, in the Clinical Laboratories, in the wards and in the clinical amphitheater. In addition to systematic didactic teaching, there has been introduced a plan of practical instruction, by which the student is brought directly in contact with the patients, and taught from the outset how to recognize and treat disease as it occurs in nature—not in books.

Practical and demonstrative exercises in history taking and in physical diagnosis of diseases of the chest are held.

The class is divided into groups of five or six students. The exercises are held in the dispensary, and consist in the practical study of the physical signs of disease of the heart and lungs.

The dispensary for tubercular patients is within three doors of the college building, and is open to students of the University. The wards of the Waverly Hill Sanatorium for Tuberculosis, just outside the city, are also open to students of the University. Uniform attendance at the dispensary is required.

GENERAL SYMPTOMATOLOGY OF DISEASE.

General Clinics in the Medical Amphitheater are held twice a week.

The senior students are divided into three equal groups, each group serving for one trimester, successively, in the medical, surgical and elective divisions of the hospital, and visiting the special departments of the dispensary, and patients at their homes.

WARD WORK.

Of the three groups into which the class is divided, the members of the medical group serve part of the year as clinical clerks in the medical wards of the Hospital.

CLINICAL AND PATHOLOGICAL CONFERENCE.

Clinical and Pathological Conferences are held throughout the year by Professors of Medicine and Pathology. Abstracts of the histories of the fatal cases with the differential diagnosis made before the autopsy are read. The specimens from the autopsy are then demonstrated, after which there is a general discussion of the case.

PEDIATRICS.

PHILIP F. BARBOUR, A. M., M. D.,
Professor of Pediatrics.

HARRY A. DAVIDSON, M. D.,
Adjunct Professor of Pediatrics.

GAVIN FULTON, M. D.,
Assistant Professor of Pediatrics.

J. H. PRITCHETT, M. D.,
Assistant in Pediatrics.

JNO. V. H. BEDINGER, M. D.,
Assistant in Pediatrics.

The instruction in this department will be eminently practical, embracing didactic lectures, recitations, and clinics, besides section-work in the outdoor department. In the didactic lectures attention

is first given to the child's peculiarities of organization and function and the consequent modification of the rules of pathology, hygiene, diagnosis and therapeutics, and much stress is laid upon the important subject of infant feeding. The clinical lectures give practical illustrations of the most advanced methods of diagnosis and treatment in this branch of practice, so important and yet so difficult to the young practitioner. In the section-teaching the professors and their assistants will give the student a daily drill in practical work in the examining rooms. Intubation will be demonstrated on the cadaver.

HYGIENE AND PREVENTIVE MEDICINE.

CARL WEIDNER, SR., M. D.,
Professor of Hygiene and Preventive Medicine.

SIDNEY J. MEYERS, M. D.,
Professor in Economics and Medical Ethics.

The course includes practical demonstrations and didactic consideration of normal health and development; influence of habits, customs, and occupation; foods and their adulterations; water, its impurities and biological significance, natural and artificial purification; air from chemical, physical, and biological standpoints, ventilation and heating; sewerage, disposal of body, house, and municipal wastes; the vital cause of disease, modes of transmission, seasonal and geographical distribution, susceptibility, immunity; prophylaxis, general—including disinfection, serum therapy, quarantine, and disposal of the dead.

PRACTICAL SANITATION.

The student will, under the instruction of a trained Sanitary Inspector, fumigate sick rooms, inspect bad housing conditions, dairies, bakeries, etc., and follow up the cause of such infectious diseases as diphtheria and typhoid fever, besides working with school inspectors. This will fit them to take the lead in their own communities, where they will become teachers of great importance, of public sanitation.

DEPARTMENT OF PRINCIPLES AND PRACTICE OF SURGERY AND CLINICAL SURGERY.

H. HORACE GRANT, A. M., M. D.,
Professor of Surgery and Clinical Surgery.

WILLIAM C. DUGAN, M. D.,
Professor of Surgery and Clinical Surgery.

J. GARLAND SHERRILL, A. M., M. D.,
Professor of Surgery and Clinical Surgery.

GEORGE A. HENDON, M. D.,
*Professor of Principles and Practice of Surgery and
Clinical Surgery.*

IRVIN ABELL, A. M., M. D.,
*Professor of Principles and Practice of Surgery and
Clinical Surgery.*

JOHN R. WATHEN, A. B., M. D.,
*Professor of Principles and Practice of Surgery and
Clinical Surgery.*

CLEMENT B. SPALDING, A. B., M. D.,
Adjunct Professor of Surgery.

C. GUY FORSEE, M. D.,
Adjunct Professor of Surgery.

ALBRO L. PARSONS, B. S., M. D.,
Adjunct Professor of Surgery.

LEE KAHN, M. D.,
Adjunct Professor of Surgery.

S. C. MCCOY, M. D.,
Assistant in Surgery.

EDWIN T. BRUCE, M. D.,
Assistant in Clinical Surgery.

GEORGE C. LEACHMAN,
Assistant in Clinical Surgery.

ERNEST OWSLEY GRANT, B. A., M. D.,
Assistant in Clinical Surgery.

The principles of surgery and surgical pathology are taught by the professors and their assistants, by didactic instruction, with numerous illustrations, and by recitations. The necessary laboratory work in surgical pathology is done in conjunction with the department of pathology. Special surgery is taught by lectures, recitations, and bedside study of cases and operative clinics.

The clinical work of the student is well planned to give him the best opportunity to watch the examination of the patient by the chief or his assistant and to follow the case throughout its course. He is taught how to obtain a concise and complete history and to make all the necessary examinations by which the surgeon arrives

at a correct diagnosis, employing all the known methods of precision. He is taught gastric lavage and required to make stomach, urine and blood analysis, when necessary, under the direction of the hospital staff, thus familiarizing himself with the entire conduct of the case.

A brief course is given to the sophomore class in applied anatomy, minor surgery and surgical dressings.

The junior class is divided into sections, which are admitted to the out-patient department, where a very large clinic reports daily and where minor operations are witnessed by the student and he is given opportunity of applying the necessary dressings. He is also permitted to attend the operative clinics.

Operative and minor surgery and bandaging are taught the junior students in the laboratory. The members of each section of the junior class are required to perform on the cadaver the various operations of abdominal and general surgery, the demonstrator carefully instructing the students in the surgical anatomy of the part and in the management of instruments, the proper methods of operating, and surgical dressings. He also has a complete course in fractures, and special consideration is given to the practical teaching of proper application of bandages of various kinds, including those of plaster, silicate of sodium, and starch.

In the senior year the clinical work is carried on almost exclusively in the wards of the hospital, where the student comes in direct contact with patients and is instructed in the management of the case throughout. He is afforded many opportunities for close observation of the different surgical operations and is instructed in the administration of anesthetics, each student in rotation assisting the anesthetist in this procedure.

DISEASES OF THE EYE, EAR, NOSE, AND THROAT.

J. M. RAY, M. D.,

Professor of Diseases of the Eye, and Clinical Diseases of the Ear, Nose and Throat.

SAMUEL G. DABNEY, M. D.,

Professor of Diseases of the Ear, Nose and Throat, and Clinical Diseases of the Eye.

ADOLPH O. PFINGST, M. D.,

Professor of Diseases of the Eye, and Clinical Diseases of the Ear, Nose and Throat.

ISAAC LEDERMAN, M. D.,

Professor of Diseases of the Ear, Nose and Throat, and Clinical Diseases of the Eye.

GEORGE A. ROBERTSON, M. D.,
Assistant in Diseases of the Eye, Ear, Nose and Throat.

CLAUD T. WOLFE, M. D.,
Assistant in Diseases of the Eye, Ear, Nose and Throat.

WALTER DEAN LEVI, A. B., M. D.,
Assistant in Diseases of the Eye.

JAS. ROYDEN PEABODY,
Assistant in Diseases of Ear, Nose and Throat.

These branches will be covered by a systematic course of didactic instruction, illustrated by models, charts, and anatomical preparations, by clinical lectures and demonstrations. While various operations in these several departments will be performed in the presence of the class, especial attention will be devoted to the diagnosis and management of the more common diseases of these organs—such conditions as are generally seen and treated by the general practitioner.

The Senior Class will be divided into sections and given practical instruction in the use of the ophthalmoscope, the diagnosis and correction of anomalies of refraction, in the use of the laryngoscope, rhinoscope, and other instruments used in these branches. Under the supervision of the professors of this department the student will be required to examine patients, make diagnosis, suggest and apply treatment.

COURSE IN REFRACTION.

Students desiring a complete course in errors of refraction and their correction, may obtain facilities for pursuing these studies under the auspices of the College in private courses.

DISEASES OF THE RECTUM.

BERNARD ASMAN, M. D.,
Professor of Diseases of the Rectum.

GRANVILLE S. HANES, M. D.,
Professor of Diseases of the Rectum.

ELMER LEE HENDERSON, M. D.,
Assistant in Diseases of the Rectum.

D. Y. KEITH, M. D.,
Assistant in Diseases of the Rectum.

This subject, recognized by the profession generally as one of the greatest importance, yet strangely neglected by most medical

colleges of to-day, is here given the attention which its importance demands.

The etiology, pathology, and diagnosis of rectal disease are given careful attention in the didactic lectures. The best methods of treatment are thoroughly demonstrated in the operative clinics. The operations and clinical lectures, as well as the didactic lectures, are reviewed by means of quizzes conducted by the professor or his assistants.

CUTANEOUS, VENEREAL, AND GENITO- URINARY DISEASES.

ISADORE N. BLOOM, M. D.,

Professor of all Cutaneous, Venereal, and Genito-Urinary Diseases.

HERBERT BRONNER, M. D.,

*Adjunct Professor of Cutaneous, Venereal and
Genito-Urinary Diseases.*

C. J. ROSENHAM, M. D.,

DONALD CLARK, M. D.,

*Assistants to Chair of Cutaneous, Venereal, and Genito-
Urinary Diseases.*

Both the medical and surgical side of this department will be presented in a most thorough manner.

The most recent advances in the treatment of pathological conditions of the bladder and urethra will be brought before him, and in this connection demonstrations with the cystoscope and urethro-scope will be frequently made.

The various features of syphilis will not only be viewed from a diagnostic standpoint, but also regarding their bearing upon medication. An intelligent conception of the indication for certain drugs and the methods of their administration is thus thoroughly gained. The syphilitic material in this clinic is an unusually large one, and many rare manifestations of this disease are yearly seen.

Cutaneous diseases will be treated clinically, as for their proper understanding the patient must be seen and handled.

In connection with the bringing out of the diagnostic points, treatment will not be neglected, and the results will be noted and discussed.

ABDOMINAL SURGERY AND GYNECOLOGY.

WILLIAM H. WATHEN, A. M., M. D., LL. D.,
Professor of Abdominal Surgery and Gynecology.

LEWIS S. MCMURTRY, A. M., M. D., LL. D.,
Professor of Abdominal Surgery and Gynecology.

LOUIS FRANK, M. D.,
Professor of Abdominal Surgery and Gynecology.

CHARLES W. HIBBITT, A. M., M. D.,
Professor of Gynecology.

CHARLES FARMER, M. D.,
Adjunct in Abdominal Surgery and Gynecology.

EMMET F. HORINE, M. D.,
Adjunct in Abdominal Surgery and Gynecology.

W. BARNETT OWEN, A. B., M. D.,
Adjunct in Abdominal Surgery and Gynecology.

I. A. ARNOLD, M. D.,
Assistant in Abdominal Surgery and Gynecology.

GUY P. GRIGSBY, M. D.,
Assistant in Abdominal Surgery and Gynecology.

The work of this department will consist of lectures, clinics, practical demonstrations and recitations. The several operating rooms are so arranged that every student sees the details of the work. The senior class is divided into small sections, in order to receive individual instruction in diagnosis and technique. The diagnosis as applied to the abdomen and pelvic organs is made familiar to the student by practical demonstrations. The importance and necessity of surgical cleanliness, and the means of obtaining this end are emphasized in such practical way as to fit the student for surgery of the class he will most likely do in general practice. The material in the operative clinics at the City Hospital is sufficiently ample to fit one desiring to prepare himself for this special work.

The lectures and recitations will follow the clinical course as nearly as practicable, thus covering all the diseases of the pelvic and abdominal organs.

Lectures upon Abdominal Surgery and Gynecology are illustrated, and every physiologic and pathologic condition demonstrated.

For more practical instruction in diagnosis, the students are taught in the wards of the City Hospital, where patients are examined and treated.

So great has been the development and growth of Gynecology and Abdominal Surgery, that the operative technique must be taught with special care. The essential principles are taught in lectures and recitations, while the education of the touch for diagnosis, with training in the use of instruments, is practically taught in the ward clinics.

DEPARTMENT OF OBSTETRICS.

EDWARD SPEIDEL, M. D.,
Professor of Obstetrics.

WILLIAM B. DOHERTY, M. D.,
Professor of Obstetrics.

THOMAS K. VAN ZANDT, A. B., M. D.,
Adjunct Professor of Obstetrics.

J. B. LUKINS, M. D.,
Adjunct Professor of Obstetrics.

CHAS. W. JEFFERSON,
Assistant in Obstetrical Pathology.

DEWITT HENRY H. WOLFE, M. D.,
Assistant in Obstetrics.

The course in obstetrics embraces a thorough training in the diagnosis of pregnancy, the physiology and pathology of pregnancy, the diagnosis of presentations and positions, the management of normal and abnormal labor, measurement of the pelvis, and a thorough course upon surgical obstetrics taught by means of the manikin and demonstrations practically upon the patients. It is here that the student receives the best advantage of the section teaching, where he has the opportunity of personally making the diagnosis of the conditions present under the personal direction of the heads of this department.

The outdoor service of the City Hospital offers splendid opportunities for the assignment of cases of obstetrics to advanced students, who deliver women under the direction of the assistant to this department, thus putting into actual practice the knowledge gained in lectures and in lessons on the manikin. The outdoor department will be made a particular feature of the course, the student thus being fitted for practice in this most important branch of medicine.

Each student in the graduating class is required to have personally attended at least six cases of labor during his last session. The service at the City Hospital gives a most admirable opportunity for witnessing many interesting cases, as well as the conduct of the normal ones.

LEGAL MEDICINE.

GILBERT BURNETT,

Professor of Medical Jurisprudence.

The instruction in this department is given in the third year. The lectures are intended to instruct the students not only in the actual work of the medico-legal practitioner, but also in the duties of the medical expert witness and his relations to his client and to the court.

MEDICAL LIFE INSURANCE, ETHICS, AND ECONOMICS.

W. ED GRANT, M. D.,

Professor of Medical Life Insurance.

SIDNEY J. MEYERS, M. D.,

Professor of Medical Economics and Ethics.

A practical course in Medical Life Insurance is given to Senior students, by a Medical Director and Examiner of large experience, so that when they are called upon to make life insurance examinations their work appears to be that of a trained examiner instead of a novice.

SUMMARY OF HOURS OF WORK.

BASED ON THIRTY-TWO TEACHING WEEKS.

FRESHMAN.

	Lectures	Laboratory	Clinics	Total
Anatomy -----	48	192	-----	240
Histology -----	20	114	-----	134
Embryology -----	12	78	-----	90
Physiology -----	80	80	-----	160
Chemistry (Inorganic) -----	80	120	-----	200
Chemistry (Organic) -----	48	-----	-----	48
Bacteriology, Lectures and Demonstrations (66) -----	66	99	-----	165
Pharmacology -----	32	-----	-----	32
				1069

SOPHOMORE.

	Lectures	Laboratory	Clinics	Total
Anatomy, including Neuro Histology--	48	144	-----	192
Physiology -----	40	80	-----	120
Pharmacology -----	-----	72	-----	72
Pathology, Lectures and Demonstra-	-----	-----	-----	-----
tions (132) -----	132	198	-----	330
Surgical Pathology -----	32	-----	-----	32
Physical Diagnosis -----	-----	30	-----	30
Minor Surgery -----	64	32	-----	96
Physiological Chemistry -----	60	120	-----	180
Pharmacology (Lectures and Demon-	-----	-----	-----	-----
strations) -----	69	-----	-----	69
	-----	-----	-----	1121

JUNIOR.

	Lectures	Clinics	Laboratory	Disp.	Total
<i>Surgery</i> —					
General -----	96	64	-----	64	224
Pathology (Surgical) -----	-----	-----	32	-----	32
<i>Medicine</i> —					
General -----	96	96	-----	64	256
Pediatrics -----	32	32	-----	-----	64
Clinical Microscopy -----	22	-----	53	-----	75
Therapeutics -----	48	-----	-----	-----	48
Neuro-Pathology and Neu-	-----	-----	-----	-----	-----
rology -----	22	-----	11	64	102
Hygiene -----	32	-----	-----	-----	32
Physical Diagnosis -----	32	-----	-----	64	96
<i>Gynecology</i> —					
Gynecology -----	32	16	-----	-----	48
Obstetrics -----	96	16	-----	-----	112
Gynecological Pathology -----	-----	-----	11	-----	11
<i>Eye, Ear, Nose and Throat</i> —					
Eye -----	22	-----	-----	-----	22
Laryngology -----	16	-----	-----	-----	16
Post Mortems during ses-	-----	88	-----	-----	88
sion of 1912-1913 -----	-----	-----	-----	-----	-----
	-----	-----	-----	-----	1226

SENIOR.

	Lectures	Clinics	Ward Work	Disp.	Total
<i>Surgery—</i>					
General -----	64	64	198		326
Orthopedics -----	11	32		22	65
Proctology -----	11	32		11	54
Abdominal Surgery and Gynecology -----	22	32	22	88	88
Obstetrics -----	11				175
G.-U. -----	43			88	131
Dermatology -----				22	22
<i>Medicine—</i>					
Therapeutics -----	32				32
General Medicine -----	64	96		198	358
Nervous Diseases -----		32			32
Psychiatry -----	32				32
Infectious Diseases -----	11				11
Pediatrics -----	32			44	76
Clinical Pathological Confer- ence -----		32			32
<i>Eye, Ear, Nose and Throat—</i>					
Eye -----	16			22	38
Ear, Nose and Throat -----	16			22	38
Refraction -----	11				11
<i>Medical Jurisprudence—</i>					
Medical Jurisprudence -----	11				11
Ethics and Economics -----	11				11
Life Insurance -----	11				11
Vital Statistics -----	5				5
Food Supply -----	6				6
					1565

FEEES FOR MATRICULATION AND TUITION.

Matriculation fee, payable each year-----\$5.00

Tuition per year for the Freshman, Sophomore and
Junior Years -----150.00

Tuition for the Senior Year-----160.00

The tuition fee may be paid in installments of one-half the amount at the beginning of each half session. If not paid within one week of registration, \$5.00 will be added for the half session. The tuition for the second half if not paid by February 5th will be

subject to the same conditions as imposed for the first half. Fees are not returnable or transferable.

A deposit of \$10.00 is required from all students before their names are entered on the official lists for laboratory work at the College or section work at the Hospital. This deposit will be returned at the close of the session, less the amount charged against it for breakage, for care or materials, unpaid fees, locker or any charge not paid by the student in some other way. The deposit must be paid on matriculation.

Post graduate course fee-----\$50.00

MICROSCOPES.

Students are urged to purchase their own microscopes, but those who do not care to do so may rent them from the University at the following rate:

Microscopes for Histological use-----\$5.00

Microscopes for Bacterial, Pathological and Clinical Microscopy

Laboratory use ----- 6.00

Under no circumstances are promissory notes accepted in payment. Students are advised to pay fees by check or cash for the exact amount. Remittances for other expenses are best made by postal money orders or notes sent by express. The college will not endorse checks for private expenses.

All students required to be in attendance within one week of the opening of the session.

COLLEGE LIBRARY.

The library for the students is located in the college building, and is in charge of a librarian.

In May, 1913, a Student Young Men's Christian Association was organized among the Medical Students for the purpose of meeting the social, moral and spiritual needs of the student body. This new student Association extends to both old and new students, a cordial invitation to affiliate themselves as soon as possible after the opening of the Fall season. A special committee of students will be in attendance early next Fall to assist both new and old students in securing rooms, boarding places and to promote fellowship among the new men. The following officers were duly elected at the organization meeting.

President—John T. Anderson; Vice-President— M. C. Baker; Secretary—E. L. Posey; Treasurer—C. P. Harrod.

Address any of them in care of The University of Louisville, Medical Department, Louisville, Ky.

The Central Young Men's Christian Association will occupy its new \$400,000.00 building at Third and Broadway in the Summer of 1913. This building will contain in addition to Gymnasium, Baths, Swimming Pool and other attractive privileges, a large number of single room dormitories completely furnished which will be rented at a very reasonable figure. As heretofore, special short term rates of membership will be offered to all non-resident students. In addition to the above, all students have access to the Public Library, Fourth and York streets, and to the Jefferson County Medical Library.

ANNUAL LIMITATION.

The statements made as to conditions, fees, rules, and courses of lectures relate to the year 1913-1914 only, and are applicable to all students without regard to the time of a first or subsequent matriculation. Changes in the corps of instructors and curriculum of the College will be made whenever the Trustees deem it necessary. The faculty reserves the right to terminate a student's connection with the College at any time for what is deemed improper conduct, and under no circumstances will fees be returned.

BOARDING AND ROOMS.

Good board, with lodging, will cost from \$18.00 to \$20.00 per month; comfortable rooms, without board, \$8.00 to \$10.00 per month. A list of boarding houses, carefully selected, may be found at the College. Students may take their choice in location, distance, and price.

MAIL.

Students should have their mail directed in care of The University of Louisville, Medical Department, where it will be delivered three times a day. The Dean or his private secretary will be in his office at the College at eight o'clock every morning except Sunday.

DIRECTION TO STUDENTS.

All students should promptly report, in person, at the College, First and Chestnut Streets, for the purpose of registering. The College has a list of desirable boarding-houses and private homes, and can give any other information necessary.

For particulars, address DR. W. EDWARD GRANT, Dean,
Louisville, Ky.

HOSPITAL APPOINTMENTS.

At the close of the regular session, members of the graduating class are recommended to the Board of Public Safety for appointment as Internes in the Louisville City Hospital, for one year. These appointments are based upon the standing of the student in special examination, upon evidences of special ability, and upon considerations of personal fitness. These appointees reside in the hospital, and become officers upon the House Staff.

A certain number of externe appointments are offered to members of each graduating class. These appointees have the privilege of working in the dispensary. They may assist in the teaching, and may pursue advanced work and original research in the various laboratories without charge.

The University also has the appointment of internes to the Sts. Mary and Elizabeth Hospital, St. Joseph's Infirmary, St. Anthony's Hospital, Norton Infirmary and various other Hospitals in this and other States as mentioned below.

HOSPITAL APPOINTMENTS.

FROM GRADUATING CLASS OF 1912-13.

The following have been appointed as internes in the Louisville City Hospital:

DR. DAVID GEIGER GARLAND.....	West Virginia
DR. LAMAR WILLIAM NEBLETT.....	Kentucky
DR. IRVIN E. BOOHER.....	Indiana
DR. AMZI PETER KANNAPEL.....	Indiana
DR. REAVILL MILLARD WALDEN.....	Indiana
DR. HENRY C. METCALF.....	Indiana
DR. JESSE BENZ	Indiana
DR. CASSIUS A. BOONE, JR.....	Florida
DR. CLAUDE S. EDDLEMAN.....	Indiana
DR. RUDOLPH DUENWEG	Indiana
DR. LANCE E. BRISCOE.....	Oregon
DR. CHAS. RICE LANAHAN.....	Kentucky
DR. THEODORE LEGRANDE BURNETT.....	Kentucky
DR. FRANK INGRAM BUCKNER.....	Kentucky
DR. SAMUEL A. BRAUN.....	Kentucky
DR. WILLIAM BROWN DOHERTY, JR.....	Kentucky

Externes to City Hospital:

DR. J. R. BOST.....	Louisville
DR. J. H. PRITCHETT.....	Louisville

Hospital Appointments other than the Louisville City Hospital.

- DR. CHAS. WILLIAM MACCLANAHAN -----Kentucky
St. Joseph's Infirmary, Louisville, Ky.
- DR. ORVILLE RAY MILLER-----Kentucky
Sts. Mary and Elizabeth Hospital, Louisville, Ky.
- DR. GARLAND LAMBUTH DYER-----Kentucky
St. Anthony's Hospital, Louisville, Ky.
- DR. WALTER IRVIN HUME-----Kentucky
St. Anthony's Hospital, Louisville, Ky.
- DR. EVERETT EDMUNDS HOWARD-----Illinois
Norton Memorial Infirmary, Louisville, Ky.
- DR. WILLIAM ARTHUR BURNS-----Texas
Waverley Hills' Sanatorium, Louisville, Ky.
- DR. ALBERT MELVIN MITCHELL -----Indiana
Grace Hospital, Detroit, Michigan.
- DR. HARRY ARTHUR BOYDE-----Indiana
Grace Hospital, Detroit, Michigan.
- DR. ANDREW BOYD COUCHMAN-----Illinois
Grace Hospital, Detroit, Michigan.
- DR. FRANK HARRISON MCGREGOR-----Texas
Bayonne Hospital, Bayonne, New Jersey.
- DR. GEORGE THOMAS VANZANDT-----Texas
Bayonne Hospital, Bayonne, New Jersey.
- DR. LESLIE EDWARD WERRY-----Indiana
U. S. Marine Hospital, Evansville, Ind.
- DR. WILLIAM JOHNSTON YONGUE-----Kentucky
St. Mary's Hospital, Evansville, Ind.
- DR. JOHN JULIAN CONNELLY-----Illinois
Protestant Deaconess Hospital, Evansville, Ind.
- DR. JOSEPH COULTER WILEY-----Pennsylvania
McKeesport General Hospital, McKeesport, Pa.
- DR. WAITMAN TAYLOR SMITH-----West Virginia
Baroness Erlanger Hospital, Chattanooga, Tenn.

- DR. GEORGE HUFF DAY-----Indiana
Good Samaritan Hospital, Lexington Ky.
- DR. CLYDE M. ZINK-----Indiana
Waverly Hills Sanatorium, Louisville, Ky.
- DR. THOMAS LUTHER GOODNIGHT-----Texas
Kings Daughters Hospital, Temple, Texas.
- DR. GARNETT B. BELOTE-----Kentucky
St. Joseph's Hospital, Lexington, Ky.
- DR. WILLIAM ANDREW FORESTER-----Pennsylvania
Passavant Hospital, Pittsburg, Pa.
- DR. ELBERT DEAN RICE-----Texas
Wood and Wood Sanitorium, Hubbard, Texas.

Graduating Class, 1912-13

George Alexander	Kentucky
Samuel Alvin Braun	Kentucky
Jesse Benz	Indiana
Harry Arthur Boyde	Indiana
Cassius A. Boone, Jr.	Florida
Garnett B. Belote	Kentucky
Frank Ingram Buckner	Kentucky
Lance E. Briscoe	Oregon
Roderick Franklin Brown	Kentucky
George Emerson Baker	Indiana
Irvin E. Booher	Indiana
Theodore LeGrande Burnett	Kentucky
William Arthur Burns	Texas
Mike Lyons Clark	Louisiana
Andrew Boyd Couchman	Illinois
John Julian Connelly	Illinois
Harper Leonidas Crow	Louisiana
Alvy Nelson Crain	Kentucky
George Huff Day	Indiana
Rudolph Duenweg	Indiana
Garland Lambuth Dyer	Kentucky
William Brown Doherty, Jr.	Kentucky
Claude S. Eddleman	Indiana
Thomas Jefferson Farley	West Virginia
William Andrew Forster	Pennsylvania
Caperton A. Farren	West Virginia
Norman Bryce Fall	Kansas
Mark Duty Good	West Virginia
George Gordon Griffeth	Indiana
Thomas Luther Goodnight	Texas
David Geiger Garland	West Virginia
Verney Hazlewood	Indiana
Everett Edmunds Howard	Illinois
Walter Irvin Hume	Kentucky
Bryant Franklin Horner	Tennessee
Jeff. D. House	Mississippi
Austin Oliver Hull	Texas
George Washington Ison	Kentucky
Amzi Peter Kannapel	Indiana
Orin Benedum Lynch	West Virginia
Phillip Horne Lucas	Indiana
James Martin Joshua Luke	Georgia

Marshall Marvin Lawrence.....	Kentucky
Charles Rice Lanahan.....	Kentucky
Grover Cleveland Morrison.....	West Virginia
Charles William MacClanahan.....	Kentucky
Frank Harrison McGregor.....	Texas
Albert Melvin Mitchell.....	Indiana
Tilden T. Manzer.....	Minnesota
Orville Ray Miller.....	Kentucky
Henry Carter Metcalf.....	Indiana
William Livingston Morse.....	Kentucky
Ole Andy Nelson.....	Wisconsin
Lamar William Neblett.....	Kentucky
William Lee Ozment.....	Illinois
John William Pahmeier.....	Indiana
Benjamin Hamilton Parrish.....	Indiana
Roy Henry Ruble.....	Tennessee
John Edwin Robertson.....	West Virginia
Elbert Dean Rice.....	Texas
Tom Gladstone Rumph.....	Texas
John Grady Rumph.....	Texas
Noah Edward Steele.....	West Virginia
Waitman Taylor Smith.....	West Virginia
Frank Harman Smith.....	Kentucky
Guy Stalnaker.....	West Virginia
William E. Taylor.....	Kentucky
John Bernard Voor.....	Kentucky
George Thomas VanZandt.....	Texas
Leslie Edward Werry.....	Indiana
Joseph Coulter Wiley.....	Pennsylvania
Paul Edgar Wilson.....	Indiana
J. Robt. Wright.....	Iowa
Reavill Millard Walden.....	Indiana
Allen Huddleston Walker.....	Kentucky
William Johnston Yongue.....	Kentucky
Clyde M. Zink.....	Indiana

Senior Class, 1912-13

Alexander, Geo.	Kentucky	Brown, R. F.	Kentucky
Braun, Sam A.	Kentucky	Baker, Geo. E.	Indiana
Benz, Jesse	Indiana	Booher, Irvin E.	Indiana
Boyde, Harry A.	Indiana	Burnett, T. LeG.	Kentucky
Boone, C. A., Jr.	Florida	Burns, Wm. A.	Texas
Belote, Garnett B.	Kentucky	Clark, Mike L.	Louisiana
Buckner, F. I.	Kentucky	Couchman, A. B.	Illinois
Briscoe, Lance E.	Oregon	Connelly, J. J.	Illinois

Crow, Harper L. Louisiana
 Crain, Alvy N. Kentucky
 Day, Geo. H. Indiana
 Deer, Blan F. Indiana
 Duenweg, Rudolph Indiana
 Dyer, G. L. Kentucky
 Doherty, Wm. B. Kentucky
 Eddleman, C. S. Indiana
 Farley, T. J. West Virginia
 Forster, W. A. Pennsylvania
 Farren, C. A. West Virginia
 Fall, Norman B. Kansas
 Good, M. D. West Virginia
 Griffeth, Geo. G. Indiana
 Goodnight, T. L. Texas
 Garland, D. G. West Virginia
 Hazlewood, V. Indiana
 Howard, E. E. Illinois
 Hume, W. I. Kentucky
 Horner, B. F. Tennessee
 House, Jeff. D. Mississippi
 Hull, Austin O. Texas
 Ison, Geo. W. Kentucky
 Kannapel, A. P. Indiana
 Lynch, Orin B. West Virginia
 Leggett, V. W. N. Carolina
 Lucas, P. H. Indiana
 Luke, J. M. J. Georgia
 Lawrence, M. M. Kentucky
 Lanahan, Chas. R. Kentucky
 Morrison, G. C. West Virginia
 MacClanahan, C. W., Kentucky

McGregor, F. H. Texas
 Mitchell, A. M. Indiana
 Manzer, T. T. Minnesota
 Miller, O. R. Kentucky
 Metcalf, H. C. Indiana
 Morse, Wm. L. Kentucky
 Nelson, Ole A. Wisconsin
 Neblett, L. W. Kentucky
 Ozment, Wm. Lee. Illinois
 Pahmeier, John W. Indiana
 Parrish, B. H. Indiana
 Ruble, Roy H. Tennessee
 Robertson, J. E. W. Virginia
 Rice, Elbert Dean. Texas
 Rumph, Tom G. Texas
 Rumph, John G. Texas
 Smith, W. T. West Virginia
 Smith, Frank H. Kentucky
 Stalnaker, Guy. West Virginia
 Steele, Noah E. West Virginia
 Taylor, Wm. E. Kentucky
 Voor, John B. Kentucky
 VanZandt, G. T. Texas
 Werry, L. E. Indiana
 Wiley, J. C. Pennsylvania
 Wilson, Paul E. Indiana
 Wright, J. Robt. Iowa
 Walden, R. M. Indiana
 Walker, Allen H. Kentucky
 Yongue, W. J. Kentucky
 Zink, Clyde M. Indiana

Junior Class, 1912-13

Anthony, J. Render. Georgia
 Aycock, W. Lloyd. Georgia
 Anderson, J. T. S. Carolina
 Bertram, H. M. Kentucky
 Broeker, Conrad Indiana
 Baker, M. C. Kentucky
 Baker, Bruce W. Indiana
 Blair, F. K. Kentucky
 Berle, C. K. Kentucky
 Carter, Stewart Kentucky
 Curtis, C. C. Indiana
 Caldwell, A. G. Kentucky
 Davis, B. B. Georgia
 Dodson, B. West Virginia
 Densford, W. L. Indiana
 Fagan, Jas. L. West Virginia
 Feld, Nathan Kentucky
 Fust, Henry E. Kentucky
 Ferguson, O. E. Tennessee
 Glenn, Foster C. Illinois
 Gray, Kenneth Mississippi

Guntermann, Peter Kentucky
 Harvey, Jos. L. Washington
 Hufnagel, Chas. F. Indiana
 Hall, E. R. Tennessee
 Hooker, Jas. F. Kentucky
 Henson, E. B. West Virginia
 Hawkins, C. Indiana
 Harmon, V. E. Kentucky
 Kirkpatrick, R. B. Kentucky
 Longmire, V. M. Texas
 Levendorf, I. Pennsylvania
 Livesay, H. R. Virginia
 Mathewsian, M. H. Kentucky
 McKinney, Wm. E. Texas
 Mills, Chas. D. Kansas
 Marcum, C. B. Kentucky
 Monaco, Sal. R. Illinois
 Mayo, H. H. Kentucky
 Ray, Ermine L. Kentucky
 Reynolds, E. O. Iowa
 Rowan, Watson S. Oklahoma

Richison, H. H. Kentucky
 Robinson, M. M. Kentucky
 Shrewsbury, L. E. W. Virginia
 Trabue, McD. Kentucky
 Thompson, Arch B. Indiana

Vander Voort, W. V., Michigan
 Woolsey, H. U. Texas
 Balsley, C. M. Missouri
 Sanderson, R. H. Illinois

Freshman Class, 1912-13

Allan, Floyd D. Kentucky
 Ashmore, Leslie Kentucky
 Berberovitch, T. F.,

Mississippi

Boone, Jim H. Texas
 Bailey, Jas. E. Louisiana
 Bedford, Frank Indiana
 DeJarnette, A. K. Wyoming
 DeWitt, Chas. D. Kentucky
 Dasheill, Leland Indiana
 Dyer, John W. N. Carolina
 Dwyer, Geo. F. Kentucky
 *Davis, R. E. Indiana
 Davis, Arthur H. Kentucky
 Eversole, Earl J. Kentucky
 Edwards, Jno. E. Kentucky
 Farley, T. Kyle W. Virginia
 Gymer, A. K. Indiana
 Harris, Desha Kentucky
 *Herzer, F. Kentucky
 Hovendon, Ontie Oklahoma
 Howe, J. H. Ohio
 Harrod, Chas. P. Indiana
 Hughes, H. A., Jr. Arizona
 Huckleberry, E. Indiana
 Henson, A. N. W. Virginia
 Hughes, Henry A. Kentucky
 Hildreth, B. H. W. Virginia
 Honhart, F. L. Kentucky
 Johnson, W. P. Alabama

*Kornblum, K. Indiana
 Keith, Todd W. W. Virginia
 Loy, C. F. Oklahoma
 Lee, Delzie Indiana
 Maxwell, T. R. Illinois
 McCrocklin, W. F. Kentucky
 Mitchell, Eugene Indiana
 *Manus, H. M. New York
 Medearis, Park Oklahoma
 McVey, C. O. West Virginia
 Moss, John W. Kentucky
 Nuttall, O. Illinois
 Osorio, V. E. M. Hawaii
 Parrigin, Perry Kentucky
 Parsons, Jos. E. California
 Roll, A. T. Indiana
 Randell, J. Wesley Indiana
 Strull, Herman B. Kentucky
 Sloan, Leslie P. Indiana
 Stites, Frank M. Kentucky
 Smith, U. H. Alabama
 Smith, Frank M. Kentucky
 Schoonover, Herbert Illinois
 Stull, S. L. Pennsylvania
 Sharp, Hord Kentucky
 Todd, Wm. R. Kentucky
 Utz, Wm. R. Kentucky
 Wright, Wm. B., Jr. Illinois
 White, A. Wayne Kentucky
 Warner, Elmer Indiana

Sophomore Class, 1912-13

Alexander, P. M. Kentucky
 Abell, Carl E. Kentucky
 Allen, Will H. Alabama
 Bach, Luther Kentucky
 Bledsoe, J. A. Mississippi
 Beeler, Bruce Indiana
 Beadles, R. L. Mississippi
 Chow, Kuei China
 Cohen, Milton B. Georgia
 Claypool, Don P. Indiana
 Connor, Robt. Indiana
 Cannon, Walter S. Tennessee

Dixon, F. W. Indiana
 Dunbar, Guy S. Kentucky
 Ewers, Ernest M. Indiana
 Ellars, Larren Indiana
 Fatheree, D. E. Illinois
 Flanningan, C. E. Indiana
 Floyd, Jno. B. Mississippi
 Frazer, J. L. Georgia
 Foster, Owen C. Illinois
 Faust, G. T. Tennessee
 Fairchild, S. Ray Iowa
 Fischer, W. O. Illinois

*Not in attendance throughout the year.

*Goodrich, Wm. J. W.	Virginia
Gingles, H. W.	Kentucky
Goldsborough, R. N.	Kentucky
Goodman, Arthur O.	Kentucky
Howell, Willie	West Virginia
Hays, Emmet	Kentucky
Hicks, J. H.	Kentucky
*Hampton, Wm. N.	Oklahoma
Hyder, B. R.	Tennessee
Harralson, J. H.	Kentucky
Holbrook, W. H.	Missouri
Hamilton, C. O.	Illinois
Jamison, Wm. F.	New Jersey
Kayton, Merle	Florida
Kiser, A. E.	Kentucky
Kavanaugh, C. M.	Kentucky
Lattimore, J. P.	Texas
Lyons, Geo. C.	Tennessee
Merriwether, B. M.,	
	North Carolina
McPheeters, J. W.	Kentucky
Negley, W. B.	Kentucky
Neidhamer, C.	Indiana
Posey, E. L.	Oklahoma
P'Pool, Wm. F.	Texas
Phillips, F. A.	Illinois
*Rathbun, J. H.	New York
Reeder, H. H.	Indiana
Richeson, Earl	Illinois
Rock, J. H.	Ontario
Remark, R. R.	Indiana
Stewart, Thos. W.	Georgia
Stephens, O. C.	Indiana
Sarchet, Hugo N.	Iowa
Strickler, F. P.	Kentucky
Smith, Edwin D.	Kentucky
Smith, A. H.	Indiana
Stork, Harvey	Indiana
Smith, A. J.	Florida
Smith, L. A.	Florida
Skaggs, Jos. E.	Kansas
Stout, L. H.	Indiana
Todd, Grover C.	Indiana
Voigt, Chas.	Indiana
Ward, Rawley W.	Texas
Winter, Karl	Kentucky
Walker, Walter	Kentucky
Ware, Ralph H.	Indiana
Wood, Cleveland	Texas
Whistler, Edward	Kentucky

*Not in attendance throughout the year.

Post Graduates, 1912-13

Bean, L. B., M.D.	Kentucky
Bess, W. E., M.D.	Missouri
Burnett, W. F., M.D.	Nevada
Casebolt, S. B., M.D.	Kentucky
McClellan, W. S., M.D.	West Virginia
McPherson, H. D., M.D.	Alabama
Rhodes, T. O., M.D.	Oklahoma
Young, G. W., M.D.	West Virginia

Text Books

ANATOMY—Cunningham, Piersol, Spalteholz, Davis: Applied Anatomy.

ABDOMINAL SURGERY—Kelly & Noble, Moynihan.

HISTOLOGY—Bailey & Ferguson.

PATHOLOGY—Delafield & Prudden, Shennan, Councilman, Krehl.

BACTERIOLOGY—Muir & Ritchey.

CLINICAL MICROSCOPY—Emerson, Wood, Faught.

MATERIA MEDICA AND THERAPEUTICS—Wood, Butler, Cushny, Solmann, Hare.

PHYSIOLOGY—Stewart, Howell, Huxley.
 CHEMISTRY—Hawk, Remsen, Kahlenberg, Sherman—Food and Nutrition.
 MEDICINE—Osler, French, Tyson, Anders.
 PHYSICAL DIAGNOSIS—Butler, Cabot. Index of Differential Diagnosis.
 OPERATIVE SURGERY—Bickham, Bryant, Binnie.
 CASE-TAKING—McKisick.
 SURGERY—DaCosta, Park, Lexer-Bevan, American Text-Book, Rose & Carless.
 SURGICAL ANATOMY—Treves, Deaver.
 SURGICAL DIAGNOSIS—Eisendrath, Gould.
 FRACTURES AND DISLOCATIONS—Stimson, Scudder.
 OBSTETRICS—Williams, Edgar, Jewett.
 EMBRYOLOGY—Bailey & Miller, Heisler.
 GYNECOLOGY—Dudley, Kelly.
 DISEASES OF CHILDREN—Holt, Fischer.
 NERVOUS AND MENTAL DISEASES—Dana, Church & Peterson, Starr, Hun.
 HYGIENE—Harrington, Bergey, Rohe & Robin.
 OPHTHALMOLOGY—May, Fuchs.
 RHINOLOGY AND LARYNGOLOGY—Gleason, Kyle, Coakley.
 OTOLOGY—Bacon, Politzer.
 GENITO-URINARY AND VENEREAL DISEASES—White & Martin, Chetwood, Morton.
 DISEASES OF THE RECTUM—Tuttle, Gant, Mathews.
 POST-MORTEM TECHNIQUE—Mallory & Wright.
 MEDICAL JURISPRUDENCE AND TOXICOLOGY—Draper, Taylor, Chapman.
 MEDICAL LIFE INSURANCE—Green.
 MEDICAL LATIN—St. Clair.
 MEDICAL PHYSICS—Brokaw, Gage.
 MEDICAL DICTIONARY—Gould's Practitioner's, Stedman's.
 DERMATOLOGY—Stelwagon, Jackson, Morris.
 PHARMACY—U. S. Pharmacopœia, Remington.
 SURGICAL PATHOLOGY—Nancrede, Senn.
 URINALYSIS—Tyson, Purdy, Ogden, Saxe.
 STOMACH—Bassler & Kent.
 DIET—Hutchison, Friedenwald-Rurah.

LAW DEPARTMENT

OF THE

University of Louisville

1913-14

SIXTY-EIGHTH YEAR

JENNE-FOWLER COMPANY
INCORPORATED

LOUISVILLE, KY.

1913

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Faculty

CHARLES B. SEYMOUR, *Dean,*

LL. B., University of Louisville.

*Professor of Equity and Real Property and Judge of the
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ALEX G. BARRET,

A. M., LL. B., Harvard University.

Professor of Law of Pleading and Wills.

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Ph. B., J. D., University of Chicago.

Professor of Law of Agency, Torts, and Damages.

ARTHUR B. BENSINGER,

LL. B., University of Louisville.

Professor of the Law of Contracts, Evidence and Criminal Law.

ROBERT N. MILLER,

B. S., Rose Polytechnic Institute; LL. B., Harvard University.

*Professor of the Law of Sales, Negotiable Instruments and
Constitutional Law.*

WILLIAM H. FIELD,

LL. B., University of Louisville; Judge Jefferson Circuit Court.

Professor of Law of Property.

Calendar



1913—October 1, FIRST TERM BEGINS.

November 27, Holiday, one day.

December 21-January 1, 1914, inclusive, Christmas vacation.

1914—January 26, Junior Examination; Professor Booth.

Senior Examination; Professor Barret.

January 27, Junior Examination; Professor Lewis.

Senior Examination; Professor Seymour.

January 28, Junior Examination; Professor Miller.

Senior Examination; Professor Bensinger

January 29, Junior Examination; Professor Field.

Senior Examination; Professor Booth.

January 30, Junior Examination; Professor Lewis.

Senior Examination; Professor Seymour.

January 31, Junior Examination; Professor Bensinger.

Senior Examination; Professor Miller.

January 31, FIRST TERM ENDS.

February 2, SECOND TERM BEGINS.

February 23, Holiday, one day.

May 18, Junior Final Examination; Professor Barret.

May 19, Senior Final Examination; Professor Booth.

May 20, Junior Final Examination; Professor Lewis.

May 21, Senior Final Examination; Professor Seymour.

May 22, Junior Final Examination; Professor Miller.

May 23, Senior Final Examination; Professor Bensinger.

May 25, Junior Final Examination; Professor Field.

May 26, Senior Final Examination; Professor Booth.

May 27, Junior Final Examination; Professor Lewis.

May 28, Senior Final Examination; Professor Seymour.

May 29, Junior Final Examination; Professor Bensinger.

May 30, Senior Final Examination; Professor Miller.

June 6, SECOND TERM ENDS.

GRADUATION EXERCISES.

Historical Sketch

On Wednesday, October 1, 1913, the Law Department of the University of Louisville enters upon its sixty-eighth consecutive year as a teacher of law. There is but one older law school in the South, the Law Department of the University of Virginia.

The University of Louisville was chartered by an Act of the Legislature of Kentucky approved February 7, 1846, and given power to establish "all the departments of the University for the promotion of every branch of science, literature, and the liberal arts." A medical school already in existence since 1837, and having a faculty of distinguished doctors, became its Medical Department. The square of ground on Chestnut Street extending from Eighth to Ninth and back to Magazine was purchased, and with a donation of \$50,000.00 made by the City Council, a suitable building for the law department was erected.

These two departments were organized in 1846, and since that time have graduated many of the most distinguished lawyers and doctors in the west and southwest of our continent.

The Medical Department in 1908 absorbed the Kentucky School of Medicine, chartered in 1850, the Louisville Medical College, chartered in 1869, the Hospital College of Medicine, chartered in 1873, and the Medical Department of the Kentucky University, chartered in 1898. It is now one of the largest and best medical schools in the United States, having about twenty thousand alumni.

In 1908 the original scheme of the University was completed by the addition of an Academic Department under the Deanship of Professor John Patterson, A. B., of Harvard, who has gathered around him a distinguished array of teachers. This department after five successful years now offers to its patrons the opportunity of a university education.

The law department has always been popularly known as the "Louisville Law School." The original building at the corner of Ninth and Chestnut was early found to be unnecessarily large, and for many years was occupied by the Male High School of Louisville. The Law Department later rented quarters on Court Place, and now occupies a building on the university lot immediately adjacent to the academic building on Broadway near Second Street.

Its graduates now number about fifteen hundred, many of whom have reached distinction at the bar and in public life.

Among the earlier alumni may be noted Richard J. Oglesby, who became famous as the War Governor of Illinois, and whose name is still revered in that State. In this same class were Pat Joyes and Andy Barnett, both distinguished members of the local bar, but now dead. R. T. Durrett, now the Nestor of the bar of Louisville and the revered president of the famous Filson Club, was a member of the class of 1850.

Among the many jurists who have received their education at its hands, we find the names of Judges McManama of Owen, Husbands of Paducah, Robertson of Mayfield, Harbeson of Fleming, Chelf of Elizabethtown, Simrall, Pope, Field, Eastin, Richards, and DuRelle of Louisville, and Montgomery of Indiana. On the present circuit bench of Louisville the school is represented by Judges Kirby, Gregory, and Field, and on the Court of Appeals by Judge Miller.

Those who have attained prominence as members of Congress include Speaker Kerr and members W. C. P. Breckinridge, Boyd Winchester, Alex Montgomery, A. G. Caruth, and George G. Gilbert.

The list of prosecuting attorneys contains the names of Col. Phil. Lee, G. C. Wharton and J. M. Huffaker, all of Louisville, and A. Floyd Byrd of Winchester, whose record as a prosecutor of mountain feudists is probably unequaled in Kentucky.

Among those who earned distinction in the Civil War we note the gallant Ben Hardin Helm, first General of the "Kentucky Brigade," now famous as the Orphan Brigade, a title given it after his death on the field of battle. In this list may also be mentioned General Eli H. Murray and Col. Thomas B. Fairleigh. For obvious reasons no list of prominent alumni in the private practice of law is included, although they cover the entire Commonwealth of Kentucky and many other of the southern and western States.

Faculty

The faculty of the school was reorganized in 1908 by increasing the number of regular instructors from three to six. The effort at that time and in subsequent changes in the faculty has been to secure men for their ability as teachers rather than on account of any judicial or political position which they may enjoy. The uniform policy of the Law Department has been to provide instruction at the hands of men engaged in the active work of their profession either as practitioners or judges. The list of those who have served since the foundation of the Law Department includes

the names of some of the most distinguished members of the Louisville bench and bar, and is as follows:

Henry Pirtle	1846 to 1873
Garnett Duncan	1846 to 1847
Preston S. Loughborough	1846 to 1852
Ephraim M. Ewing	1847 to 1849
William F. Bullock	1849 to 1871
James Pryor	1852 to 1856
James Speed	1856 to 1858
	1873 to 1879
John Preston	1858 to 1859
Horatio F. Simrall	1859 to 1862
Peter B. Muir	1862 to 1868
Henry J. Stites	1868 to 1872
Bland Ballard	1871 to 1873
Thomas E. Bramlette	1872 to 1873
James S. Pirtle	1873 to 1881
Horatio W. Bruce	1873 to 1880
William Chenault	1879 to 1886
Henry C. Pindell	1880 to 1881
Rozel Weissinger	1884 to 1890
Emmet Field	1884 to 1909
W. O. Harris	1886 to 1911
Charles B. Seymour	1890
George DuRelle	1908 to 1909
Percy N. Booth	1908
Leon P. Lewis	1908
Arthur B. Bensinger	1908
Alex G. Barret	1909
Robert N. Miller	1911
William H. Field	1912

Methods of Teaching

Prior to the reorganization of the Law Department, which has already been mentioned, the courses were conducted entirely by lectures, text book instruction and quizzes. Of the present faculty of the Department, four members are graduates of schools using the case method of teaching, and employ largely that method of instruction, which has been gaining favor steadily since its original introduction in the Harvard Law School. However, each professor is left free to adapt his instruction to meet the necessities of the course taught and the requirements of the students, since some courses lend themselves better to one method of teaching than do others.

Course of Study

Beginning with the year 1912-13 a radical change was made in the course of study. In the past each class met for but one period daily. This period was originally one hour, and was subsequently increased to one hour and a half. The new system gives the students two class periods of instruction each day. During each of these periods of one hour a different subject will be taught, usually under a different instructor. Students therefore receive twelve hours of class work each week as contrasted with nine during the three preceding years and six hours prior to that time. Furthermore, the change involved the lengthening of the school year more than a month, as the second term now ends about the first of June, instead of the latter part of April as in the past.

These changes, which in the opinion of the faculty were demanded by the increasing standards of legal education, permit a more extended treatment of the various subjects taught. The result is that approximately the same number of hours of instruction are devoted to the various subjects taught as are accorded these topics by university law schools of the highest standing.

Subjects Taught

JUNIOR CLASS.

Persons

Marriage and divorce; husband and wife; parent and child; guardian and ward; infants; insane persons.

Text-book: Smith's Cases on Persons; also other selected cases.

MONDAYS AND THURSDAYS, FIRST TERM, 4:00 TO 5:00.

Professor Booth.

Torts

An inquiry into the nature of a tort, the dividing line between torts and contracts, and the fundamental difference between torts and crimes, considering also harms that are not torts, with a discussion of the following specific torts: Assault and battery; false imprisonment; malicious prosecution; malicious abuse of process; trespass to property; trover and conversion; nuisance; conspiracy; wrongful disturbance of family relations; slander and libel; deceit; slander of title; unfair competition; negligence.

Text-book: Burdick's Cases on Torts (3rd edition).

TUESDAYS AND FRIDAYS, BOTH TERMS, 4:00 TO 5:00.

Professor Lewis.

Negotiable Instruments

A study of the common law as it relates to bills of exchange, checks, promissory notes and bonds, and of the effect of the Negotiable Instruments Act; including formal requisites of negotiability, distinctions in legal effect between negotiable and other paper, obligations of the parties, absolute and equitable defenses, what constitutes a holder in due course, discharge of instruments.

WEDNESDAYS AND SATURDAYS, FIRST TERM, 4:00 TO 5:00.

Professor Miller.

Property I.

Distinction between real and personal property; acquisition of rights in personal property; gifts; bailment; lien; pledge. Real property; tenures; estates; seisin and conveyance; incidents of ownership in real property; fixtures; easements; covenants as to use; public rights; franchises; rents.

Text-book: Tiedeman on Real Property (3rd edition).

MONDAYS AND THURSDAYS, BOTH TERMS, 5:00 TO 6:00.

Professor Field.

Agency

Nature of relation; appointment; liabilities of principal for agent's torts, contracts, crimes; liabilities of agent; parties to writings; undisclosed principal doctrines; delegation of agency; termination; ratification; master and servant; and rights and liabilities growing out of this relation.

Text-book: Huffcut, Cases on Agency (2nd edition).

TUESDAYS AND FRIDAYS, FIRST TERM, 5:00 TO 6:00.

Professor Lewis.

Contracts

Embracing the nature of the agreement, express or implied, the consideration, the parties, the rules of construction and discharge, and remedies for breach.

Text-book: Lawson on Contracts (2nd edition).

WEDNESDAYS AND SATURDAYS, BOTH TERMS, 5:00 TO 6:00.

Professor Bensinger.

Pleading

1. Common Law Pleading and procedure. As distinguished from civil law; from equity. The issue, single issue, forms of action, the general issue, finality of judgment on matters of form, special pleading. Hilary Rules.

2. Code Pleading. Origin and growth. One form of action, cause of action, relief obtainable, demurrers, motions, answer, counter-claim, set-off and cross-petition, reply and subsequent pleadings. Right of amendment. Proceedings against non-residents and persons under disability. Jurisdiction and venue, sales of real property; general rules of pleading.

Text-books: Tyler's Stephen on Pleading (3rd Am. Ed.) Carroll's Kentucky Civil Code, 1913. Selected Kentucky Cases.

MONDAYS AND THURSDAYS, SECOND TERM, 4:00 TO 5:00
Professor Barret.

Sales

Subject matter of sales; executory and executed sales; time when title passes; transfer by bills of lading; *jus disponendi*; stoppage *in transitu*; conditional sales; risk of loss; fraud on buyer and on seller; effect of retention of possession or want of delivery; express and implied warranty; warranties of title, of quality; Statute of Frauds, remedies of seller and of buyer.

WEDNESDAYS AND SATURDAYS, SECOND TERM,
4:00 TO 5:00.
Professor Miller.

Damages

A consideration of the principles underlying the granting of damages for breaches of contract and tortious acts, the circumstances under which nominal, compensatory, and punitive damages are allowed, and the principles applicable to the determination of the measure of damages.

Text-book: Beale's Cases on the Law of Damages (2nd edition).

TUESDAYS AND FRIDAYS, SECOND TERM, 5:00 TO 6:00.
Professor Lewis.

SENIOR CLASS

Wills and Administration

History of the law of Wills, English and American Statutes, testamentary capacity, execution, revocation and republication of wills, descent, liability of heir for ancestor's debts, probate and administration, powers and duties of executors and administrators, collection of assets, payment of debts and legacies.

Text-book: Costigan's Cases on Wills.

MONDAYS AND THURSDAYS, FIRST TERM, 4:00 TO 5:00.

Professor Barret.

Property II.

Mortgages; accretion; title by adverse possession; prescription; Statute of Uses; transfer of interests in land at common law and under statutes; creation of interests in land by agreement or conveyance; interpretation of instruments of transfer; covenants for title; execution of deeds; fraudulent conveyances; recording; registration of titles; vested and executory interests; construction of language creating future interests; powers; provisions for forfeiture; restraints on alienation; rule against perpetuities.

Text-book: Tiedeman on Real Property (3rd edition).

TUESDAYS AND FRIDAYS, BOTH TERMS, 4:00 TO 5:00.

Professor Seymour.

Evidence

Rules governing the production of testimony, its relevancy to the issue, the burden of proof, the rule of best evidence, hearsay, declarations against interest, dying declarations, confessions and admissions, the number of witnesses and the nature and quantity of proof required in particular cases.

Text-book: Greenleaf on Evidence, Vol. 1 (15th edition).

WEDNESDAYS AND SATURDAYS, FIRST TERM,

4:00 TO 5:00

Professor Bensinger.

Criminal Law

Lectures on the Law of Crimes, common and statutory, embracing offenses against the sovereignty of the State, against the law of nations, the lives and persons of individuals, against property, against public justice, against public trade and economy, and against public morals.

No text-book.

WEDNESDAYS AND SATURDAYS, SECOND TERM.

4:00 TO 5:00.

Professor Bensinger.

Corporations (Private and Municipal)

Brief analysis of the law of partnership and of the growth of modern business corporations; distinctions between corporations and partnerships; distinction between corporation and stockholders; creation of corporation; corporation *de facto*; acquisition of membership—subscriptions for stock; promoters; interpretation of charters; implied powers; corporate contracts and agents; directors; voting rights of stockholders; power of majority; stockholders' rights and liabilities; creditors' rights and liabilities; inspection of corporate records; dividends; preferred stock; transfer of shares; forfeiture of charter; liability for torts, crimes, and contempts; *ultra vires* transactions; dissolution, consolidation, and merger; power of insolvent corporation to prefer particular creditors; stock subscription and statutory liabilities of shareholder to creditor; power of corporation to become a member of a co-partnership or trust; power of corporation to own shares in another corporation, to purchase its own shares; corporate receivership; foreign corporations; legislative control; organization and management of business corporations under modern statutes.

Creation of municipal corporations; legislative control: rights and remedies of creditors; liability for torts; implied powers; express restrictions on the power to become indebted; rights of bona fide holders of negotiable bonds; liability to account for property received upon contracts not authorized by law; charter; ordinances; elections and officers; eminent domain; dedication; streets; taxation and local assessments.

Text-books: Warren's Cases on Private Corporations; Smith's Cases on Municipal Corporations; also other selected cases.

MONDAYS AND THURSDAYS, BOTH TERMS, 5:00 TO 6:00.

Professor Booth.

Equity

Trusts, express, resulting, constructive; charitable trusts, transfer of trust property, duties of trustee; investments; removal, registration, accounting.

Accident, mistake, fraud, misrepresentation, concealment, acquiescence, laches, ratification, equitable notice, estoppel, election, equitable conversation, subrogation, equitable liens.

Specific performance, injunction, receivers, reformation, rescission, creditors' bills, administration suits, sales of realty for disability or indivisibility.

Text-book: Bispham's Principles of Equity (8th edition).

TUESDAYS AND FRIDAYS, BOTH TERMS, 5:00 TO 6:00.

Professor Seymour.

Constitutional Law and Federal Jurisdiction

I. The Federal Constitution.

Beginnings of the Union; distribution of governmental powers; powers of Congress; taxes; interstate commerce; restrictions on powers of Congress; powers of the executive; judicial department; classification of powers; checks and balances; government of territories; admission of new states; comity between states; civil rights guaranteed; political privileges; protection to contracts and property; "due process;" "equal protection of the law;" "police power."

II. Federal Jurisdiction

Courts of the United States under Judicial Code of 1911. Removal from State to Federal Courts.

III. State Constitution

Relation to Federal Constitution; history of Kentucky constitutions; features of present Constitution of Kentucky. Kentucky courts.

Text-book: McClain's Cases on Constitutional Law (Second Edition).

**WEDNESDAYS AND SATURDAYS, BOTH TERMS,
5:00 TO 6:00.**

Professor Miller.

Public Service Companies

Nature of public calling; extent of public profession; obligations of public duty; excuses for refusing service; provision of adequate facilities; regulation of the service; determination of reasonable rates; prohibition of unjust discrimination; application of general principles of public callings to railroads, street railways, electric light companies, gas companies, water companies, telegraph and telephone companies, warehouses and inns.

Text-book: Wyman's Cases on Public Service Companies (Second Edition).

MONDAYS AND THURSDAYS, SECOND TERM, 4:00 TO 5:00
Professor Booth.

Summary of Lectures

First Term, October 1 to January 31.

Monday,	Junior Class,	4 to 5,	Persons; Prof. Booth.
	"	"	5 to 6, Property I; Prof. Field.
	Senior	"	4 to 5, Wills; Prof. Barret.
	"	"	5 to 6, Corporations; Prof. Booth.
Tuesday,	Junior	"	4 to 5, Torts; Prof. Lewis.
	"	"	5 to 6, Agency; Prof. Lewis.
	Senior	"	4 to 5, Property II; Prof. Seymour.
	"	"	5 to 6, Equity; Prof. Seymour.
Wednesday,	Junior	"	4 to 5, Negotiable Instruments; Prof. Miller.
	Junior Class,	5 to 6,	Contracts; Prof. Bensinger.
	Senior	"	4 to 5, Evidence; Prof. Bensinger.
	"	"	5 to 6, Constitutional Law; Prof. Miller.
Thursday,	Junior	"	4 to 5, Persons; Prof. Booth.
	"	"	5 to 6, Property I; Prof. Field.
	Senior	"	4 to 5, Wills; Prof. Barret.
	"	"	5 to 6, Corporations; Prof. Booth.
Friday,	Junior	"	4 to 5, Torts; Prof. Lewis.
	"	"	5 to 6, Agency; Prof. Lewis.
	Senior	"	4 to 5, Property II; Prof. Seymour.
	"	"	5 to 6, Equity; Prof. Seymour.
Saturday,	Junior	"	4 to 5, Negotiable Instruments; Prof. Miller.
	Junior Class,	5 to 6,	Contracts; Prof. Bensinger.
	Senior	"	4 to 5, Evidence; Prof. Bensinger.
	"	"	5 to 6, Constitutional Law; Prof. Miller.

Second Term, February 2 to May 30.

Monday,	Junior Class,	4 to 5,	Pleading; Prof. Barret.
	"	"	5 to 6, Property I; Prof. Field.
	Senior	"	4 to 5, Public Service Cos.; Prof. Booth.
	"	"	5 to 6, Corporations; Prof. Booth.
Tuesday,	Junior	"	4 to 5, Torts; Prof. Lewis.
	"	"	5 to 6, Damages; Prof. Lewis.
	Senior	"	4 to 5, Property II; Prof. Seymour.
	"	"	5 to 6, Equity; Prof. Seymour.
Wednesday,	Junior	"	4 to 5, Sales; Prof. Miller.
	"	"	5 to 6, Contracts; Prof. Bensinger.
	Senior	"	4 to 5, Criminal Law; Prof. Bensinger.
	"	"	5 to 6, Constitutional Law; Prof. Miller.
Thursday,	Junior	"	4 to 5, Pleading; Prof. Barret.
	"	"	5 to 6, Property I; Prof. Field.
	Senior	"	4 to 5, Public Service Cos.; Prof. Booth.
	"	"	5 to 6, Corporations; Prof. Booth.
Friday,	Junior	"	4 to 5, Torts; Prof. Lewis.
	"	"	5 to 6, Damages; Prof. Lewis.
	Senior	"	4 to 5, Property II; Prof. Seymour.
	"	"	5 to 6, Equity; Prof. Seymour.
Saturday,	Junior	"	4 to 5, Sales; Prof. Miller.
	"	"	5 to 6, Contracts; Prof. Bensinger.
	Senior	"	4 to 5, Criminal Law; Prof. Bensinger.
	"	"	5 to 6, Constitutional Law; Prof. Miller.

The Moot Court

The Moot Court is held once in each month. It is essentially a practice court, in which pleadings are filed, commissioner's reports presented and confirmed, depositions certified, judgments entered, points of law argued. About twenty cases are tried each year. They are selected, with some slight modifications of fact, from cases which have been tried in this county, or appeals from the same, and embrace a very wide selection. They include, for example, matters of constructive service, authenticated records of sister States, adoption, divorce, settlements of assigned estates, suits on official bond of guardian, sheriffs, and administrators, suits on injunctions and supersedeas bonds, order of delivery, bail writ, matters of personal injury, etc. The questions are presented in a variety of aspects. In some cases pupils are required to prepare an appeal from the judgment of the court. In some cases they prepare the entire pleadings. In some cases they simply argue the

cases upon the pleadings in the Jefferson Circuit Court as if the cases were on trial there. Especial attention is given to the details of practice; the idea being that when a young man graduates he should not only know how to prepare a petition, but what to do with it when prepared; not only how to argue the question of law on appeal, but how to indorse the record. In order to carry out this plan there is each year appointed from the Senior Class a clerk, a commissioner, and a sheriff for the Moot Court, so that the proceedings may assimilate as nearly as possible to the proceedings in State courts.

LAST FRIDAY IN EACH MONTH, 3 P. M.

Professor Seymour.

Additional Moot Courts

It is proposed during the year 1913-14 to conduct additional Moot Courts according to a plan formerly used but temporarily abandoned. Each of the members of the faculty will act as presiding judge for the conduct of one case, the subject matter of which involves questions of law taught in his courses. The facts, taken from transcripts of evidence of trial courts, will be furnished the participants, and pleadings will be prepared and the trials conducted on the basis of these facts. All the necessary preliminary steps to bring the action to trial are required, the petition being filed some weeks before the date of trial, any motions or demurrers being passed upon by the presiding judge in the interim. On the occasion of the final trial of the case, the first year students act as parties and witnesses, the Senior students taking the part of court officials and attorneys.

Classification and Admission

The course of study is designed for two annual sessions of eight months each, and experience has shown that it will profitably employ all of the student's time during that period.

For convenience in examinations and to accomodate students unable to enter at the beginning, the session is divided into two terms, the first beginning October 1st and the second February 2d.

Students may enter at the beginning of either term, but are advised to enter at the first if possible. It is highly important that they should enter on the opening day, as studies commence at once, and it is very hard, especially for beginners, to make up lost ground.

An attendance at two sessions and the attainment of a mark of

at least 75 per cent on all examinations are required for graduation.

To accomodate advanced pupils the rule requiring an attendance of two sessions is subject to the following exceptions:

1. Students presenting a certificate of proficiency from any approved Law School in the studies constituting the Junior Course in this school may be admitted to the Senior Class.

2. Students not candidates for a degree will be admitted for special work to meet the requirements of the individual cases.

Library

The students of the school have the free use of the Louisville Law Library, consisting of about 10,000 volumes. It contains many valuable text-books and all the leading English and American Reports. Students make a very free use of this library and derive great profit from it, acquiring a familiarity with books and a fondness for them which is apt to remain with them throughout their careers.

Special Facilities

The city of Louisville offers great advantages to students for observing the practical administration of justice. There are eight superior courts of record which hold their sittings here, and some of them are in almost daily session throughout the legal year. A week seldom passes without an opportunity to witness the conduct of important cases by leading lawyers of Kentucky, and frequently of other States. To attend these trials and to witness the contest of bright minds in court greatly stimulates the ambition of students and gives them an interest in the profession which is almost impossible to one not having like advantages.

Debating and Pleading Clubs are also established among the students, and form a valuable and interesting feature of the work.

Honors and Prizes

The Faculty has appointed two honors:

First. To that Senior who shall pass the best examinations, his name to be printed in the catalogue as first honor man of his class, and as a prize, a set of the Student's Edition of "Cyc," in twelve large volumes, presented by the American Book Company.

Second. To that Junior who shall pass the best examinations of this class, a prize, Bouvier's Law Dictionary.

The Edward Thompson Company also offers as a prize to that student of this school who shall write the best essay on any legal topic, a copy of *The Lives of the Lord Chief Justices of England*. This valuable prize is awarded by a committee of lawyers selected by the students.

Mr. James F. Fairleigh, an alumnus of the school, also offers an annual prize for the best essay on the *Equitable Doctrine of Adjustment*. The book so offered has not yet been selected.

Papers for these prizes must be handed in on or before May 16th.

These honors for the year 1912-13 had not been announced at the time this catalogue went to press.

The Geo. M. Davie Scholarship

Mrs. Margaret Preston Davie, in memory of her distinguished husband, who was a student in this school, offers a scholarship.

Applications should be made to her in care of the Dean prior to September 1, 1913.

Holders of the Scholarship not present at the opening day, October 1st, will be deemed to have abandoned it and it will be re-awarded.

The Willis Overton Harris Scholarship

Mrs. T. Wilson Cochran, daughter of Judge Harris, who was for a quarter of a century a member of the faculty of this school and for more than twenty years was dean of the faculty, offers a scholarship.

Applications should be made to her in care of the dean prior to September 1, 1913.

The holder of the scholarship not present at the opening day, October 1st, will be deemed to have abandoned it and it will be re-awarded.

Expenses

The tuition is \$75 for the entire scholastic year. Tuition is payable on matriculation, and is not refunded for absence. Students find their own board, which may be had at an expense of from five to eight dollars per week, according to quality; they also furnish their own books.

Examinations and Degrees

Students are examined orally each day and in writing at the intermediate and final examinations. An average of 75 per cent in each study is required for graduation.

The degree of LL. B. is conferred on graduates.

Text Books

The following list shows the text-books used and the prices at which they may be purchased from Messrs. John P. Morton & Co., of this city.

JUNIOR CLASS.

FIRST TERM.

Smith's Cases on Persons.....	\$3 00
Tiedeman on Real Property (3rd edition).....	5 00
Burdick's Cases on Torts (3rd edition).....	4 00
Huffcut's Cases on Agency (2nd edition).....	4 50
Lawson on Contracts (2nd edition).....	4 50

SECOND TERM.

Tyler's Stephen on Pleading (3rd Am. edition).....	2 50
Carroll's Kentucky Civil Code, 1913.....	7 00
Beale's Cases on the Law of Damages (2nd edition).....	3 50
Burdick's Law of Sales (3rd edition).....	3 00

Same text-books in Property I, Torts and Contracts as during first term.

SENIOR CLASS.

FIRST TERM.

Costigan's Cases on Wills.....	4 50
Warren's Cases on Private Corporations.....	5 00
Smith's Cases on Municipal Corporations.....	1 25
Bispham's Principles of Equity (8th edition).....	5 00
Greenleaf on Evidence, Vol. I. (15th edition).....	4 00
McClain's Cases on Constitutional Law (2nd edition).....	5 00

Same text-book in Property II. as in Property I.

SECOND TERM.

Wyman's Cases on Public Service Companies (2nd edition)---	4 40
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Same text-books in Corporations, Property II., Equity and Constitutional Law as during first term.

Schedule of Classes

JUNIOR CLASS—FIRST TERM

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
4 to 5	Persons Booth	Torts Lewis	Negotiable Instruments Miller	Persons Booth	Torts Lewis	Negotiable Instruments Miller
5 to 6	Property I Field	Agency Lewis	Contracts Bensinger	Property I Field	Agency Lewis	Contracts Bensinger

SECOND TERM.

4 to 5	Pleading Barret	Torts Lewis	Sales Miller	Pleading Barret	Torts Lewis	Sales Miller
5 to 6	Property I Field	Damages Lewis	Contracts Bensinger	Property I Field	Damages Lewis	Contracts Bensinger

SENIOR CLASS—FIRST TERM.

4 to 5	Wills and Administration Barret	Property II Seymour	Evidence Bensinger	Wills and Administration Barret	Property II Seymour	Evidence Bensinger
5 to 6	Corporations Booth	Equity Seymour	Constitutional Law Miller	Corporations Booth	Equity Seymour	Constitutional Law Miller

SECOND TERM.

4 to 5	Public Service Cos. Booth	Property II Seymour	Criminal Law Bensinger	Public Service Cos. Booth	Property II Seymour	Criminal Law Bensinger
5 to 6	Corporations Booth	Equity Seymour	Constitutional Law Miller	Corporations Booth	Equity Seymour	Constitutional Law Miller

List of Students—Session of 1912-1913

Adams, G. B.,	Jennings, Oliver W. Jr.,
Almstedt, Arthur H.,	Kelly, Dan B.,
Barker, Richard H., Jr.,	Lett, W. H.,
Barrett, Geo. B.,	Lochner, Herman F.,
Bernstein, Sylvain K.,	MacCullough, W. N. D.,
Bradbury, Julian M.,	Marcus, Alfred,
Conner, J. V.,	Marshall, Elizabeth V.
Decker, Elmer H.,	Martin, Prentis C.,
Doyle, Oscar W.,	Morris, Charles W.,
Dravo, Marguerite T.,	Sims, John R.,
Durrett, R. Y.,	Smith, G. J.,
Dye, C. H.,	Soonleng, Joseph,
Ewald, Geo. R.,	Specht, J. T.,
Folkers, H. J.,	Wehner, Laura,
Fowler, Clell G.,	Williams, Eustace L.,
Grinstead, Harry,	Wilson, G. C.,
Hanger, L. Everett,	Wolff, Alvin B.,

ALUMNI.

1847.

Applewhite, R., Carroll Co., Miss.	Pollard, Benj. W., Louisville, Ky.
Chambers, J. P., Louisville, Ky.	Rawlings, F. M., Shawneetown, Ill.
Collins, Joseph, Columbia, Pa.	Robinson, W. P., Liberty, Miss.
Hicks, H. C., Brandenburg, Ky.	Trabue, R. P., Columbia, Ky.
Maupin, R. A., Louisville, Ky.	Tyler, John W., Louisville, Ky.
Monroe, W. P., Frankfort, Ky.	Ward, S. D., Flemingsburg, Ky.

1848.

Alexander, T. T., Burksville, Ky.	Jacob, Thomas P., Louisville, Ky.
Bayle, H. C., Oldham Co., Ky.	McKee, J. H. D., Lawrenceburg, Ky.
Carlisle, G. L., Russellville, Ky.	Rice, jr., Jake, Louisa, Ky.
Chambers, Leonidas, Louisville, Ky.	Rowlett, H. M., Hodgenville, Ky.
Doniphan, J., Germantown, Ky.	Sanford, Chas. B., Henry Co., Ky.
Ewing, H. Q., Russellville, Ky.	Southard, James D., Louisville, Ky.
Goode, S. S., Henry Co., Ky.	Taylor, Joseph M., Louisville, Ky.
Goodrich, F. M., Lake Provid'ce, La.	Tevis, jr., Joshua, Shelbyville, Ky.
Graham, Thomas B., Jasper, Ind.	Thomason, Chas. L., Jefferson Co., Ky.
Hays, W. R., Madison, Ind.	Thompson, D. R., Centerville, Miss.
Hollingsworth, L. F., Elkton, Ky.	Willis, Benj. F., Greensburg, Ky.
Hundley, P. O., Greensburg, Ky.	

The degree of Bachelor of Laws *ad eundem* was conferred upon Bland Ballard, Esq., Louisville, Ky.

1849.

Barnet, Andy, Greensburg, Ky.	Joyce, Pat, Louisville, Ky.
Brown, B. Gratz, Frankfort, Ky.	Lewis, Everett, Brandon, Miss.
Coleman, N. J., Richfield, Spa., N.Y.	Loomis, T. L., Macoupin Co., Ill.
Drane, G. C., New Castle, Ky.	McConnell, C. L., Greenupsburg, Ky.
Furniss, Jos. A. B., Louisville, Ky.	Morton, Chas. J., Shelby Co., Ky.
Haines, James, Pekin, Ill.	Oglesby, R. J., Decatur, Ill.
Henderson, T. J., Hartford, Ky.	Reasor, W. G., Louisville, Ky.
Henry, William P., Louisville, Ky.	Ross, Jas. B., Jackson, Miss.
Hinton, A. C., Carrollton, Ky.	Smith, Horace, Garrard Co., Ky.
Jackson, J. M., Somerville, Tenn.	Smith, Joseph A., Louisville, Ky.
Johnston, J. B., Little Rock, Ark.	Stewart, J. Q. A., Louisville, Ky.
Johnston, B. W., Port Gibson, Miss.	Sublette, F. B., San Aug'tine Co. Tex.
Johnston, John Cal., Louisville, Ky.	Tackett, S. P., Richland, Miss.
Jones, Wm. H., Paducah, Ky.	Taylor, Marion C., Hartford, Ky.

1850.

Anthony, D. C., New Albany, Ind.
 Barrett, Patrick H., Smithland, Ky.
 Bullock, John O., Louisville, Ky.
 Calhoun, Ezekiel, Paducah, Ky.
 DeNormandie, W. P., Northumberland, Pa.
 Duncan, B. H., Louisville, Ky.
 Durham, Milton J., Perryville, Ky.

Durrett, R. T., New Castle, Ky.
 Kerr, M. C., Erie, Pa.
 Nelson, A. O., Frankfort, Ky.
 Phillips, Thomas S., Louisville, Ky.
 Ray, John M., Madisonville, Ky.
 Van Winkle, E. L., Monticello, Ky.
 Walker, A. W., Brandenburg, Ky.
 Wilson, John, Howard Co., Mo.

1851.

Bailey, James M., Elkton, Ky.
 Beattie, James A., Louisville, Ky.
 Black, Wm. J., Springfield, Ill.
 Brooks, G. D., Jonesboro, Ill.
 Churchill, W. P., Louisville, Ky.
 Craik, jr., James, Louisville, Ky.
 Denby, Wythe, Richmond, Va.
 Dougherty, W. L., Jonesboro, Ill.
 Dozier, W. S., Paulding, Miss.
 Eastin, Achilles, Henderson, Ky.
 Graves, Isham H., Louisville, Ky.
 Fitch, John, Carrollton, Ill.
 Haynet, John P., Elizabethtown, Ky.
 Hanson, Chas. S., Paris, Ky.

Hobbs, Jas. H., High Grove, Ky.
 Jones, J. W., Bowling Green, Ky.
 Locke, Geo. R., Louisville, Ky.
 Logan, John A., Murphreysboro, Ill.
 Poindexter, Phil. Barbour, Christian Co., Ky.
 Posey, Thornton, Henderson, Ky.
 Robinson, James S., Carmi, Ill.
 Smith, Samuel B., Louisville, Ky.
 Stone, N. B., Jamestown, Ky.
 Stoner, G. W., Hickman, Ky.
 Vance, Abner F., Louisville, Ky.
 Vaughan, J. B., Lincoln Co., Ky.
 Wallace, Henry C., Lexington, Ky.

1852.

Arnold, Thos. N., Covington, Ky.
 Austin, Geo. Aug., New Albany, Ind.
 Barrett, John G., Greensburg, Ky.
 Brummal, J. M., Greensburg, Ky.
 Bruner, J. B., Breckinridge Co., Ky.
 Carr, James, Paris, Mo.
 Chambers, V. T., Burlington, Ky.
 Conn, John S., Bourbon Co., Ky.
 Ely, W. S., Walnut Hill, Va.
 Ferguson, H. W., Louisville, Ky.
 Finley, Geo. B., Brandon, Miss.
 Gray, W. W., Hopkinsville, Ky.
 Guthrie, L. T., Carrollton, Ky.

Horsley, Wm. G., Upson Co., Ga.
 Hite, Thos. M., Bardstown, Ky.
 Jarvis, W. P., Snelbyville, Ky.
 Meriwether, J. B., Jefferson Co., Ky.
 Moulton, M. C., Carroll Co., N. H.
 Polk, John A., Mt. Washington, Ky.
 Ray, George W., Clinton, Ky.
 Rice, John M., Louisa, Ky.
 Roberts, James H., Vincennes, Ind.
 Turner, Edw. W., Richmond, Ky.
 Umbaugh, M. H., Hagerstown, Md.
 Woodbridge, Robert, Trigg Co., Ky.
 Wood, W. C., Munfordsville, Ky.

1853.

Beckham, W. M., Shelby Co., Ky.
 Bigham, Newton H., Smithland, Ky.
 Bullock, John M., Clinton, Ky.
 Dansby, F. M., Bradley Co., Ark.
 Davis, W. F., Shelby Co., Ky.

Doniphan, James, Weston, Mo.
 Flusser, Ottokar, Louisville, Ky.
 Gibbs, W. E., Lebanon, Ky.
 Hay, Vincent S., Butler Co., Ky.
 Harney, E. E., Giles Co., Tenn.

Hyde, Wm. S., Chariton Co., Mo.
 Irving, W. F., Kosciusko, Miss.
 Johnston, W. P., Louisville, Ky.
 Kalfus, C. Clay, Shepherdsville, Ky.
 Lee, Phil., Bullitt Co., Ky.
 Lillard, J. D., Gallatin Co., Ky.
 McManama, O. D., Bigbone Springs.
 McDowell, Henry, Louisville, Ky.
 McGee, P. H., Spencer Co., Ky.

Owings, John W., Louisville, Ky.
 Roberts, jr., John, Bedford, Ky.
 Smith, H. E., Springfield, Ky.
 Sugg, G. D., Henderson Co., Ky.
 Sugg, Wm., Henderson Co., Ky.
 Timberlake, H. C., Kenton Co., Ky.
 Walker, Robert W., Clinton Co., Mo.
 Were, Henry R., Brandon, Miss.

1854.

Birch, Charles C., Plattsburg, Mo.
 Boyd, Abraham, Paducah, Ky.
 Burdett, Geo. F., Lancaster, Ky.
 Campbell, James B., Hopkinsville, Ky.
 Clarke, Jas. S., Mount Hope, Ala.
 Crawford, M. C., Benton, Ill.
 Croker, Geo. F., Vandalia, Ill.
 English, Duvall, Louisville, Ky.
 Farrelly, J. P., Arkansas Post, Ark.
 Frazee, Samuel E., Marion Co., Ky.
 Gottschalk, F., Louisville, Ky.
 Hanks, James M., Arkansas.
 Haynie, Isham N., Salem, Ill.

Jones, jr., H. L., Paducah, Ky.
 Jones, Gabriel S., Culpeper Co., Va.
 Langstaff, George, Paducah, Ky.
 Lyles, James M., Richmond, Ky.
 McReynolds, Rich'd B., Elkton, Ky.
 Phillips, H. L., Wayne Co., Ky.
 Rice, Thomas N., Rockville, Ind.
 Shaw, L., Campbell Co., Ky.
 Simpson, Jos., Shelby Co., Ky.
 Standeford, B. D. P., Shelbyville, Ky.
 Terrill, John C., Richmond, Ky.
 Van Winkle, John S., Wayne Co., Ky.
 Weatherford, L. A., Nashville, Tenn.

1855.

Brooks, A. I., Petersburg, Ill.
 Bush, Robert Y., Hawesville, Ky.
 Carter, William, Potosi, Mo.
 Casseday, Alexander, Louisville, Ky.
 Chambers, Will D., Hillsboro, Miss.
 Clarkson, Asher, Boone Co., Ky.
 Coleman, R. F., Burlington, Ky.
 Crittenden, Henry, Carrollton, Ky.
 Duncan, J. W., Boone Co., Ky.
 Grace, John R., Canton, Ky.

Harney, Will Wallace, Louisville, Ky.
 Helm, R. H., Elizabethtown, Ky.
 Helm, Geo., Elizabethtown, Ky.
 Moore, Joseph C., Charleston, Mo.
 Otis, Alfred G., Louisville, Ky.
 Primm, N. E., Springfield, Ill.
 Shields, J. R., Columbia, Mo.
 Stanley, Wm., Nelson Co., Ky.
 Vaile, H. M., New York.
 Williams, John, Louisville, Ky.

1856.

Alsop, J. M., Daviess Co., Ky.
 Boyd, Ward, Paducah, Ky.
 Chambers, J. J., Burlington, Ky.
 Coleman, J. C., Louisville, Ky.
 Hays, Sam'l F., Emmetsburg, Md.
 Harwood, Chas. M., Lagrange, Ky.
 Husbands, J. H., Paducah, Ky.
 Jefferson, John G., Cadiz, Ky.
 Johnson, B. W., Magnolia, Ark.
 Johnston, B. E., Breckinr'ge Co., Ky.

Johnston, jr., J. C., Louisville, Ky.
 Jones, jr., John, Jefferson Co., Ky.
 McHenry, jr., J. H., Owensboro, Ky.
 Mix, jr., Wm., Louisville, Ky.
 Morton, Will H., Russellville, Ky.
 Nicholas, T. P., Louisville, Ky.
 Owens, James, Washington, Mo.
 Owsley, M. H., Burksville, Ky.
 Palmer, B. H., Springfield, Ky.
 Richardson, W. H., Louisville, Ky.

Schofield, John, Marshall, Ill.
 Stayton, John W., Graves Co., Ky.
 Walter, B. F., Charlestown, Ind.

Wills, Alex., Jefferson Co., Ky.
 Wimberly, Wm. B., Stewart Co., Tenn.

1857.

Anderson, Nathan, Meade Co., Ky.
 Beeman, John C., Louisville, Ky.
 Boyd, jr., L., Paducah, Ky.
 Breckinridge, W. C. P., Fayette Co., Ky.
 Buck, C. P., Clarksville, Tenn.
 Butler, Edmund, Columbia, Ky.
 Cole, John G., Madison Co., Ky.
 Davis, J. Winlock, Shelbyville, Ky.
 Davis, Sam'l T., New Madrid, Mo.
 Dehoney, E. L., Columbia, Ky.
 Easum, Chas. L., Jeffersontown, Ky.
 Edgar, Jas. W., Indianapolis, Ind.
 Gaither, jr., Nat, Columbia, Ky.
 Griffin, John, Greenville, Miss.

Hardin, T. B., Springfield, Ky.
 Lindsey, D. W., Frankfort, Ky.
 Ormsby, Benson, Jefferson Co., Ky.
 Orr, J. J., Ghent, Ky.
 Phillips, J. H., Flemingsburg, Ky.
 Prewitt, R. H., Lexington, Ky.
 Rudd, James A., Louisville, Ky.
 Rudd, Chas. P., Louisville, Ky.
 Sewell, J. M., Louisville, Ky.
 Sehon, John L., Louisville, Ky.
 Simms, Pat, Springfield, Ky.
 Stone, Thomas F., Richmond, Ky.
 Tucker, T. S., Lagrange, Ky.
 Winchester, Boyd, Jefferson Co., Ky.

1858.

Adams, J. M., Scott Co., Ky.
 Anderson, Alexander, Meade Co., Ky.
 Atchison, S. A., Louisville, Ky.
 Baber, M. D., Rumsey, Ky.
 Barrett, Geo. T., Louisville, Ky.
 Boone, L., Washington Co., Ark.
 Brantley, Wm. M., Dallas Co., Ala.
 Craycroft, A. T., Lebanon, Ky.
 Cooper, L. R. A., Jefferson Co., Ky.
 Davis, T., Chillicothe, Mo.
 Dyer, Azro, Rumsey, Ky.
 Farleigh, T. B., Brandenburg, Ky.
 Forsyth, Chas. S., Louisville, Ky.
 Guthrie, Sam'l J., Bedford, Ky.
 Harney, Selby, Louisville, Ky.

Hodges, Geo. L., Clay Co., Mo.
 Hoke, W. B., Fisherville, Ky.
 Hull, Geo. W., Louisville, Ky.
 Kennedy, Thos., Nicholas Co., Ky.
 Long, S. W., Georgetown, Ky.
 Mayfield, jr., M., Metropolis City, Ill.
 McCawley, G. W., Jefferson Co., Ky.
 O'Leary, John D., Louisville, Ky.
 Oliphant, A. M., Nelson Co., Ky.
 Robertson, W. W., McLean Co., Ky.
 Shirley, W. S., Oldham Co., Ky.
 Strother, J. P., New Castle, Ky.
 Taylor, R. Hawes, Daviess Co., Ky.
 Weissinger, Geo. W., Louisville, Ky.
 Wolfolk, Jos. A., Meade Co., Ky.

1859.

Allan, C. M., Taylorsville, Ky.
 Bassett, C. C., Plattsburg, Mo.
 Carlisle, Jas., Greensburg, Ky.
 Ellis, A. C., Richmond, Mo.
 Fry, Jack, Louisville, Ky.
 Gardener, A. V., Selma, Ala.
 Gray, W. W., Louisville, Ky.
 Grundy, Thomas A., Paducah, Ky.
 Grundy, R. G., Paducah, Ky.

Hamilton, P. P., Salem, Ill.
 Hammack, Z., Pinckneysville, Ill.
 Harbeson, J. P., Flemingsburg, Ky.
 Harney, Ben M., Louisville, Ky.
 Higbee, C. H., Independence, Mo.
 Hodges, H. Churchill, Frankfort, Ky.
 Hodges, S. N., Frankfort, Ky.
 Holt, G. A. C., Murray, Ky.
 Hughey, Wm., Columbia, Ark.

Hutchinson, J. L., Harrodsburg, Ky.	Norvell, L., Jasper, Texas.
Jones, DeWitt C., Pinckneysville, Ill.	Raine, J. W., Nolan, Ky.
Landram, John J., Warsaw, Ky.	Russell, Solon, Paris, Ind.
Lisle, W. J., Greensburg, Ky.	Taylor, P. Hancock, Jefferson Co., Ky.
Martin, W. A., Louisville, Ky.	Vance, jr., R. G., Middletown, Ky.
McKee, Samuel, Danville, Ky.	Waggener, jr., R. J., Danville, Ky.
McNeely, T. W., Petersburg, Ill.	Wallace, C. A., Lexington, Ky.
Moore, W. F., Paris, Ky.	Ward, Messer, Wolf Island, Mo.

1860.

Camp, B. Frank, Salina, Ky.	Menifee, Nathaniel McC., California.
Chew, John C., Holly Springs, Miss.	Miller, John C., Louisville, Ky.
Coughanour, R. D., Murray, Ky.	Miller, Jas. E., Murray, Ky.
Crawford, Alex. M., Graysville, Ind.	Moss, Thos. E., Columbus, Ky.
Crow, W. Porter, Lincoln Co., Ky.	Pendleton, Daniel E., Oswego, N. Y.
Curtis, Elijah P., Massac Co., Ill.	Pittman, Richard B., Danville, Ky.
Durkee, Henry McB., Canton, Mo.	Powell, Thos. E., Louisville, Ky.
Gathright, jr., J. R., Shelby Co., Ky.	Richardson, John Curd, Midway, Ky.
Hamilton, Rob't A., Louisville, Ky.	Richardson, jr., Orla C., Brandenburg, Ky.
Hardin, Jas. L., Oldham Co., Ky.	Robberson, A. Frank, Napa City, Cal.
Hughes, Jas. L., Crittenden Co., Ky.	Roberts, Willis, Scott Co., Ky.
Humber, Newmeris A., Crab Orchard, Ky.	Russell, Samuel, Spencer Co., Ky.
Johnson, W. Penn, Louisville, Ky.	Sims, W. F., Cadiz, Ky.
Kelley, Wm. L., Louisville, Ky.	Smith, Lysander J., Franklin, Ky.
Lewis, Jas. W., Meade Co., Ky.	Thompson, Wm. J., Canton, Mo.
Lusk, Will J., Lancaster, Ky.	Tuttle, John W., Monticello, Ky.
McBane, A. M. L., Metropolis City, Ill.	Watt, James H., Chester, Ill.
Marriner, Will, Louisville, Ky.	Wharton, Gabe C., Springfield, Ky.

1861.

Anderson, W. G., Louisville, Ky.	Mulholland, Thos. C., Elizabethtown, Ky.
Arbegust, G. P., Louisville, Ky.	Norris, Jas. J., Owensboro, Ky.
Boyd, Chas. M., Platte City, Mo.	Parker, Geo. W., Elizabethtown, Ky.
Brooks, R. J., Cape Girardeau, Mo.	Peyton, Alf. H., Hardinsburg, Ky.
Dudley, A. Theo., Frankfort, Ky.	Pirtle, James S., Louisville, Ky.
Edwards, Alfred, Jefferson Co., Ky.	Robards, John L., Hannibal, Mo.
Felix, John I., Woodford Co., Ky.	Rogers, Jos. M., Fayette Co., Ky.
Gillespie, John W., Liberty, Mo.	Russell, Daniel L., Lagrange, Texas.
Haycraft, Joe, Hardin Co., Ky.	Simrall, John G., Fayette Co., Ky.
Herod, Wm. Wirt, Columbus, Ind.	Waller, John H., Jefferson Co., Ky.
Hunt, Jos. D., Fayette Co., Ky.	Williams, E. H., Doniphan City, Kan.
Lampton, John B., Liberty, Mo.	Wood, Lashley F., California, Mo.
Middleton, John A., Shelbyville, Ky.	Young, Upton M., Plattsburg, Mo.
Montgomery, A. B., Hardin Co., Ky.	

1862.

Ambrose, J. S., Gallatin, Ky.
 Bowles, John B., Louisville, Ky.
 Gray, Charles A., Louisville, Ky.
 Griffin, G. W., Louisville, Ky.

Kyle, John G., Harrodsburg, Ky.
 Lincoln, James E., Liberty, Mo.
 Loving, H. V., Bowling Green, Ky.
 Pilcher, J. Edwin, Louisville, Ky.

1863.

Bowmer, R. H., Breckinridge Co., Ky.
 Caruth, Geo. Wm., Louisville, Ky.
 Cochrell, R. H., Louisville, Ky.
 Coke, J. Guthrie, Louisville, Ky.
 Davis, Lowndes H., Jackson, Mo.

Hayes, Robert W., Louisville, Ky.
 Pope, Alfred T., Louisville, Ky.
 Shivell, Henry C., Louisville, Ky.
 Vetter, John Matt, Louisville, Ky.

1864.

Allnut, J. J., Louisville, Ky.
 Ballaingal, Geo. F., Paris, Ky.
 Carter, Jos. E., Frankfort, Ky.
 Field, Emmet, Georgetown, Mo.
 Green, Pinckney F., Louisville, Ky.

Hall, Wm. F., Weakley Co., Tenn.
 La Rue, Martin W., Mexico, Mo.
 McClure, Wm. A., St. Louis, Mo.
 Nesbit, John M., Fulton, Mo.
 Twyman, I. W., Hodgenville, Ky.

1865.

Bell, Thomas, Danville, Ky.
 Buchanan, Rowan, Louisville, Ky.
 Clark, John S., Lexington, Ky.
 Craig, Lewis G., Danville, Ky.
 Field, Richard, Georgetown, Mo.
 Gill, Geo. R., Washington, Ky.
 Gowdy, Geo. A., Jefferson Co., Ky.

Parke, Thos. W., Platte City, Mo.
 Parsons, Edward Y., Louisville, Ky.
 Pound, R. M. J., Jefferson Co., Ky.
 Shields, G. H., Hannibal, Mo.
 Stubblefield, A. B., Murray, Ky.
 Whitesides, G. W., Franklin, Ky.
 Wood, Charles, Barren Co., Ky.

1866.

Anderson, Harry M., St. Louis, Mo.
 Barbour, J., New Castle, Ky.
 Bishop, C. O., St. Louis, Mo.
 Booth, Alex. G., Louisville, Ky.
 Buchanan, Lytle, Louisville, Ky.
 Caruth, Asher G., Louisville, Ky.
 Christmas, J. A., Louisville, Ky.
 Dunn, jr., Thos. T., Louisville, Ky.
 Dunn, Wm. B., Philadelphia, Mo.
 Good, J. H., Wheeling, Va.
 Griffin, Gerald L., Madison, Ind.
 Hardy, Wm. B., Covington, Ind.
 Harrington, J. D., Shelbyville, Ky.
 Harrington, John T., Shelbyville, Ky.

Hawhe, A. J., New Albany, Ind.
 Hinkle, C. J., Shelby Co., Ky.
 Jones, R. A., Louisville, Ky.
 Joseph, Lafe, Louisville, Ky.
 Needham, Tim G., Elizabethtown, Ky.
 Odor, H. L., Decatur, Ill.
 Robinson, G. N., Shelby Co., Ky.
 Rodman, J. W., Frankfort, Ky.
 Sachs, Morris A., Louisville, Ky.
 Twyman, Buford, Versailles, Ky.
 Warren, R. C., Boyle Co., Ky.
 White, J. Thomas, Louisville, Ky.
 Willis, A. Shelby, Louisville, Ky.
 Wright, J. M., Louisville, Ky.

1867.

Bailey, Theo. W., Lancaster, Ky.	Hill, Samuel E., Hartford, Ky.
Bullitt, Wm. A., Louisville, Ky.	Jewett, J. LaRue, Elizabethtown, Ky.
Beckam, J. C., Shelby Co., Ky.	Kennedy, Andrew J., St. Louis, Mo.
Brumal, Thos. E., Burksville, Ky.	Knapp, Chas. W., St. Louis, Mo.
Coleman, Evan J., Louisville, Ky.	Matthews, jr., T., Jefferson City, Mo.
Dunn, P. B., Shelbyville, Mo.	Murray, Eli H., Cloverport, Ky.
Eastin, Geo. B., Lexington, Ky.	Marriott, M. H., Elizabethtown, Ky.
English, Samuel E., Louisville, Ky.	Milburn, John T., Louisville, Ky.
Gibson, John D., St. Louis, Mo.	Peyton, Samuel O., Hartford, Ky.
Green, John J., Warsaw, Ky.	Rudd, Thos. S., Louisville, Ky.
Gill, Chas. A., Louisville, Ky.	Stavely, Wm. L., Hannibal, Mo.
Gogan, W. N., Grant Co., Ky.	Winfrey, F. R., Burksville, Ky.
Herdman, G. W., Jerseyville, Ill.	Welch, W. G., Crab Orchard, Ky.
Hampton, John W., Catlettsburg, Ky.	

1868.

Abbott, W. R., Horse Cave, Ky.	McGuire, T. S., Paducah, Ky.
Barkley, C. H., Louisville, Ky.	Neeves, T. M., Montgomery, Ohio.
Cooke, H. B., Louisville, Ky.	Perkins, B. T., Elkton, Ky.
Castleman, John B., Lexington, Ky.	Payne, Geo. V., Georgetown, Ky.
Cary, Arthur, Louisville, Ky.	Richards, A. E., Upperville, Va.
Carstarphen, O., Hannibal, Mo.	Rogers, W. T., Warsaw, Ky.
French, S., Springfield, Ill.	Simrall, H. F., Shelbyville, Ky.
Garnett, R., Columbia, Ky.	Thompson, S. E., Shelby Co., Ky.
Harbison, John S., Shelbyville, Ky.	Thornton, W. T., Clinton, Mo.
Henderson, W. F., Pokahontas, Ark.	Visscher, W. L., Louisville, Ky.
Julian, Ira, Bridgeport, Ky.	White, F. E., Paris, Tenn.
Kendall, Wm. W., Todd Co., Ky.	

1869.

Baker, Davis J., Louisville, Ky.	Oberdorfer, Henry, Louisville, Ky.
Buckner, Lewis, Louisville, Ky.	Payne, Newton, Gallatin Co., Ky.
Callaway, J. I., Lexington, Ga.	Poston, Jas. C., Elizabethtown, Ky.
Calvert, Wm. Holt, Weston, Mo.	Porter, Wm. Logan, Glasgow, Ky.
Gaines, Bernard S., Versailles, Ky.	Richardson, S. B., Shelby Co., Ky.
Grubbs, Chas. S., Russellville, Ky.	Sterett, John, Hawesville, Ky.
Graves, Henry H., Warsaw, Ky.	Simmons, S. M., Shepherdsville, Ky.
Hartman, Henry, Louisville, Ky.	Strother, John C., Trimble Co., Ky.

1870.

Anderson, Wm. H., Louisville, Ky.	Denny, jr., George, Lancaster, Ky.
Bradley, Wm. W., Platte City, Mo.	Gibson, Chas. A., Louisville, Ky.
Brashear, W. R., Breck'ridge Co., Ky.	Greenly, Thos. C., Jefferson Co., Ky.
Bratten, Homer C., Rushville, Ind.	Helm, J. P., Elizabethtown, Ky.
Campbell, Wm. P., Bethany, W. Va.	Holt, Washington D., Cloverport, Ky.
Corbin, Julian L., Covington, Ky.	Martin, Berthier T., Monroe Co., Ky.

Mavity, James W., Indiana.
 Owings, John W., Meade Co., Ky.
 Roberts, Milton L., Kenton Co., Ky.
 Smith, W. L., Lexington, Ky.

Stuart, Wm. A., Owensboro, Ky.
 Tucker, Henry Voltaire, Glasgow, Ky.
 Williams, Rufus H., Mayfield, Ky.

1871.

Blakey, Wm. McL., Russellville, Ky.
 Bodley, jr., W. S., Louisville, Ky.
 Forbes, Chas. T., Harrisonville, Mo.
 Glasscock, N., Fleming Co., Ky.
 Gover, C. A., Charleston, Ill.
 Hopkins, E. T., Louisville, Ky.

Huffaker, F. M., Louisville, Ky.
 Nahm, Louis, Louisville, Ky.
 Robertson, T. A., Hodgenville, Ky.
 Richardson, J. A., Memphis, Mo.
 Thornberry, J. J., Jefferson Co., Ky.
 Weissinger, Rozel, Spencer Co., Ky.

1872.

Barnes, W. K., Breckinridge Co., Ky.
 Buckner, jr., Jas. F., Louisville, Ky.
 Blaine, R. H., Louisville, Ky.
 Castleman, Geo. A., Louisville, Ky.
 Copeland, W. E., Benton, Ky.
 Crutchfield, N. T., Oldham Co., Ky.
 Donaldson, Jos. A., Carrollton, Ky.
 Farrar, John M., Louisville, Ky.
 Field, W. W., Augusta, Ky.
 Fulton, Geo. S., Bloomfield, Ky.

Helm, T. P., Elizabethtown, Ky.
 Hutcheson, F. M., Dixon, Ky.
 McKnight, M. M., Louisville, Ky.
 Pegram, Wm. C., Vicksburg, Miss.
 Potts, James I., Russellville, Ark.
 Rothchild, J. M., Louisville, Ky.
 Sampson, John R., Caverna, Ky.
 Shortridge, J. M., Easton, Mo.
 Smith, W. M., Mayfield, Ky.

1873.

Atchison, Benj. F., Louisville, Ky.
 Gilbert, Geo. G., Spencer Co., Ky.
 Hunter, Sam'l T., Tompkinsville, Ky.
 Jones, Sam'l E., Glasgow, Ky.
 Kohn, Aaron, Louisville, Ky.

Koch, Jacob, Louisville, Ky.
 Lee, J. W., Louisville, Ky.
 Moorman, Cliff, Stephensport, Ky.
 Russell, John C., Frankfort, Ky.
 Wharton, John C., Louisville, Ky.

1874.

Atchison, J. J., Louisville, Ky.
 Du Relle, Geo., Louisville, Ky.
 Fairleigh, David W., Louisville, Ky.
 Gibson, G. H. D., Louisville, Ky.
 Harrison, Oscar H., Louisville, Ky.
 Polk, John R. M., Louisville, Ky.

Smith, Lewis C., Caledonia, Ill.
 Stites, John J., Hopkinsville, Ky.
 Straus, F. P., Spencer Co., Ky.
 Waddell, Dolph H., Somerset, Ky.
 Winfrey, Jordon G., Columbia, Ky.

1875.

Bodley, Temple, Louisville, Ky.
 Brannin, Horace C., Louisville, Ky.
 Browne, Moreau S., Mt. Olivet, Ky.
 Clarke, J. S., Jefferson City, Mo.
 Durham, J. Wesley, Danville, Ky.
 Ellis, Wm. H., New Castle, Ky.
 Havens, Wm. T., West Liberty, Ky.

Kinthead, Peyton S., Louisville, Ky.
 Kutzleb, Anton, Louisville, Ky.
 Jenkins, J. W., Union Co., Ky.
 Marshall, Thomas C., Paducah, Ky.
 Matthews, F. R. S., New Castle, Ky.
 Orendorf, T. J., Breckinridge Co., Ky.
 Palmer, Robt. C., Lebanon, Ky.

Schenkel, Phillip C., Durlach, Baden.	Taylor, E. P., Owensboro, Ky.
Schwabacher, I. L., New Castle, Ky.	Torrence, John A., Pittsburgh, Pa.
Simrall, Sam'l B., Lexington, Ky.	Trabue, E. F., Franklin Co., Ky.

1876.

Barker, Maxwell S., Louisville, Ky.	Purcell, Wm. J., New York City.
Brown, Thos. R., Catlettsburg, Ky.	Read, James F., Louisville, Ky.
Dean, John Allen, Rock Lick, Ky.	Reed, J. D., Louisville, Ky.
Fisher, Edward R., Cleveland, O.	Ross, Jas. K., Brenham, Texas.
Haggard, Benj. R., Burksville, Ky.	Sanders, John C., Lebanon, Tenn.
Haynes, Oliver H., Owensboro, Ky.	Underwood, J., Bowling Green, Ky.
Hecker, Jesse S., Stanford, Ky.	

1877.

Barrett, John, Louisville, Ky.	Pettus, Walter B., Somerset, Ky.
Burton, Jas. P., Louisville, Ky.	Rodman, Hugh, Frankfort, Ky.
Doty, Theodore F., Glasgow, Ky.	Rogers, Newton G., Louisville, Ky.
Ellis, Harvey S., New Castle, Ky.	Smith, Abner J., Jefferson Co., Ky.
Grasty, Herbert B., Louisville, Ky.	Speed, jr., James, Jefferson Co., Ky.
Gray, Chas. W., Louisville, Ky.	Stephens, Perry H., Walton, Ky.
Jackson, Alex. H., Louisville, Ky.	Stewart, Chas. W., Louisville, Ky.
Jackson, Wm. L., Louisville, Ky.	Thomasson, J. M., Trimble Co., Ky.
Kelly, John S., Spencer Co., Ky.	Watts, Elijah S., Louisville, Ky.
Park, David G., Graves Co., Ky.	

1878.

Burnett, John C., Louisville, Ky.	Marshall, B. K., Louisville, Ky.
Eastham, David D., Catlettsburg, Ky.	Mullikin, A. D., Louisville, Ky.
Foree, Pryor J., Shelby Co., Ky.	Noble, Daniel A., Louisville, Ky.
Forsee, Wm. Cary, Meridian, Miss.	Railey, Sam'l W., Louisville, Ky.
Hastings, Wm. F. B., Louisville, Ky.	Stewart, Isaac A., Mt. Vernon, Ky.
Heffernan, Benj. J., Louisville, Ky.	Thum, Wm. W., Louisville, Ky.
Hite, Chas. S., Shelbyville, Ky.	Thurman, W. T., Larue Co., Ky.
Kinthead, Robert, Louisville, Ky.	Veech, Lyman J., Shelbyville, Ky.
Klauber, Morris, Louisville, Ky.	Winfrey, Millard F., Columbia, Ky.

1879.

Alford, Alex. H., Louisville, Ky.	Hull, Wm. M., Evansville, Ind.
Barnett, Tyler, Louisville, Ky.	Klaw, Mark H., Louisville, Ky.
Borden, Chas. J., Laurenceville, Ill.	Marshall, John, Louisville, Ky.
Burnett, Gilbert C., Louisville, Ky.	Merrill, Wm. H., Catlettsburg, Ky.
Caldwell, Isaac P., Louisville, Ky.	Miller, Shackelford, Louisville, Ky.
Cromwell, Wm., Frankfort, Ky.	Moore, Alfred F., Louisville, Ky.
DeJarnette, Jas. S. B., Jericho, Ky.	Peyton, L. P., Oldham Co., Ky.
Dinkelspiel, jr., M., Louisville, Ky.	Powell, Chas. E., Louisville, Ky.
Dougherty, R. W., Louisville, Ky.	Prichard, B. J., Catlettsburg, Ky.
Fleming, John D., Louisville, Ky.	Sale, Moses N., Louisville, Ky.
Hagan, Eugene, Louisville, Ky.	Sebree, ir., Elijah G., Trenton, Ky.

Sibley, Guy C., Louisville, Ky.
 Spencer, Chas. F., Louisville, Ky.
 Stannard, M. Z., Jeffersonville, Ind.

Stoy, Henry W., Louisville, Ky.
 Tolin, Samuel W., Burlington, Ky.
 Vissman, John H., Louisville, Ky.

1880.

Burt, H. A., Jeffersonville, Ind.
 English, Robert B., Jerseyville, Ill.
 Exum, Chas. F., Frankfort, Ky.
 Fontaine, C. B., Brandenburg, Ky.
 Frazer, J. Knox, Monticello, Ky.
 Gallenkamp, C. F., Washington, Mo.
 Givens, James G., Danville, Ky.
 Haggard, Rodney, Winchester, Ky.
 Humphrey, Thos. C., Paris, Ark.
 Jewett, H. E., Jeffersonville, Ind.
 Joyce, Thomas, Louisville, Ky.

Kirby, Samuel B., Louisville, Ky.
 Lang, Benj. E., Louisville, Ky.
 Martin, Thos. Leslie, Midway, Ky.
 Moremen, A. W., Brandenburg, Ky.
 Nantz, Thos. A., Terre Haute, Ind.
 Phillips, H. R., Louisville, Ky.
 Pollard, O. H., Eminence, Ky.
 Price, R. K., Jefferson Co., Ky.
 Voigt, George H., Jeffersonville, Ind.
 Wickliffe, W. A. S., Carrollton, Ky.

1881.

Arbegust, John B., Louisville, Ky.
 Bacon, R. M., Louisville, Ky.
 Botts, Henry G., Bagdad, Ky.
 Bush, F. F., Frankfort, Ky.
 Buster, J. R., Somerset, Ky.
 Chelf, W. T., Elizabethtown, Ky.
 Churchill, W. C., Louisville, Ky.
 Crutcher, Albert S., Frankfort, Ky.
 Demaree, J. A., Louisville, Ky.
 Dulaney, W. L., Louisville, Ky.
 Ellis, W. T., Bedford, Ky.
 Hubbard, Jas. A., Columbus, Ky.

Ingram, W. T., Jeffersonville, Ind.
 Klein, Jas. C., Louisville, Ky.
 Lochre, George R., Louisville, Ky.
 Nelson, D. L., Marshall Co., Ky.
 Owen, John L., Somerset, Ky.
 Snapp, John L., Louisville, Ky.
 Stewart, C. D., New Castle, Ky.
 Sykes, Geo. A., Louisville, Ky.
 Wathen, C. R., Brandenburg, Ky.
 Welch, John H., Nicholasville, Ky.
 Woolfolk, L. D., Louisville, Ky.

1882.

Ballard, Bland, Louisville, Ky.
 Beattie, Jas. W., Louisville, Ky.
 Brandeis, Albert, Louisville, Ky.
 Bright, Horatio S., Shelbyville, Ky.
 Bruce, Helm, Louisville, Ky.
 Cason, W. S., Cynthia, Ky.
 Crook, R. H., Richmond, Ky.
 Curry, Thos. E., Springfield, Ky.
 Holland, G. Allison, Eminence, Ky.
 Holeman, J. E., Louisville, Ky.

Johnson, Benj., Bardstown, Ky.
 Kirkling, Douglas, Toledo, Ill.
 McGill, Jas. J., Providence, R. I.
 Milburn, G. W., Texas, Ky.
 Moore, A. J., New Madrid, Mo.
 Rodman, W., Frankfort, Ky.
 Sachs, Jos. G., Louisville, Ky.
 Stites, H. J., Hopkinsville, Ky.
 Tandy, C. S., Ghent, Ky.
 Woods, S. W., Melbourne, Ark.

1883.

Alsop, W. T., Owensboro, Ky.
 Bainbridge, E., Owenton, Ky.
 Blakey, T. B., Auburn, Ky.
 Bullitt, jr., J. C., Louisville, Ky.

Dabney, Edwin F., Cadiz, Ky.
 Douglas, L. A., Jeffersonville, Ind.
 Ellis, John D., Newport, Ky.
 Fischinger, G. E., Louisville, Ky.

Gaines, T. S., Georgetown, Ky.
 Haymaker, J. N., Jeffersonville, Ind.
 Helm, B. H., Elizabethtown, Ky.
 Hulsewede, C. G., Louisville, Ky.
 Johnson, T. E., Georgetown, Ky.
 Kelley, John, Hawesville, Ky.

Louis, Ed. M., Louisville, Ky.
 Pratt, E. A., Louisville, Ky.
 Smith, Hopson, Eminence, Ky.
 Taylor, J. G., Owensboro, Ky.
 Wallace, Arthur, Hopkinsville, Ky.
 Welman, J. D., Hardenburg, Ind.

1884.

Buchanan, T. S., Louisville, Ky.
 Coffman, J. B., Russellville, Ky.
 Eberhard, M. V., Louisville, Ky.
 Ellis, Brent Guthrie, Glasgow, Ky.
 Ellis, S. B., Chihuahua, Mexico.
 Gardner, Benj. F., Louisville, Ky.
 Godman, T. D., Louisville, Ky.
 Hawthorne, W. H., Newport, Ky.
 Kelso, Chas. D., New Albany, Ind.

Koenig, Joseph, Louisville, Ky.
 Lewis, James, Jeffersonville, Ind.
 Luckel, Lewis, Louisville, Ky.
 McCormick, C. E., Shepherdsville, Ky.
 McKay, A. V., Bardstown, Ky.
 Reynolds, F. W., Louisville, Ky.
 Thornberry, H. H., Louisville, Ky.
 Whitesides, H. R., Jeffersonville, Ind.
 Williams, C. C., Mt. Vernon, Ky.

1885.

Anderson, Chas. A., Kenton, O.
 Blue, John W., Marion, Ky.
 Bugg, R. J., Blandville, Ky.
 Fible, Micajah, Louisville, Ky.
 Hamilton, Thos. H., Garrett, Ky.

Hester, Robt. O., Mayfield, Ky.
 Kennedy, Harry, Carlisle, Ky.
 Ladd, A. T., Oldham Co., Ky.
 Tremere, T. P., Frankfort, Ky.

1886.

Eakins, Joseph J., Louisville, Ky.
 Fires, Amos J., Jeffersonville, Ind.
 Gregory, Jas. P., Louisville, Ky.
 Haywood, W. T., Sul. Springs, Ky.

Hite, Allen R., Louisville, Ky.
 Richardson, J. M., Brandenburg, Ky.
 Turner, jr., Oscar, Oscar, Ky.
 Zulauf, J. C., Jeffersonville, Ind.

1887.

Bruce, John L., Vanceburg, Ky.
 Dembitz, A. Lincoln, Louisville, Ky.
 England, W. W., Benton Co., Ark.
 Hubbard, M. R., Hodgenville, Ky.

Jarvis, Wm., Louisville, Ky.
 Kreiger, Wm., Louisville, Ky.
 Smith, G. W., Pewee Valley, Ky.

1888.

Anderson, O. H., Hopkinsville, Ky.
 Baird, David W., Louisville, Ky.
 Blitz, Sam'l S., Louisville, Ky.
 Bullington, C. A., English, Ind.
 Cross, Wm. O., Louisville, Ky.
 Forrester, J. G., Harlan C. H., Ky.
 Gaines, W. B., Owenton, Ky.
 Gregory, LeRoy, Hartford, Ky.
 Helburn, Emil S., Louisville, Ky.
 Hillsman, Wm. P., Livermore, Ky.
 Isbell, Sam'l L., Hickman, Ky.

Jacob, jr., T. P., Louisville, Ky.
 McLeod, Field, Versailles, Ky.
 McKee, Samuel, Louisville, Ky.
 Riley, Otis V., Owenton, Ky.
 Scott, Wm. M., Shelbyville, Ky.
 Sims, C. E., Utica, Ind.
 Skidmore, G. B., Mt. Pleasant, Ky.
 Thompson, Geo., New Haven, Ky.
 Wilson, jr., Wm. B., Louisville, Ky.
 Zaring, Jas. A., Salem, Ind.

1889.

Blair, Jos. A., Harlan C. H., Ky.
 Cassily, John Peter, Louisville, Ky.
 Ford, Frank M., Owenton, Ky.
 Gates, J. C., Jefferson Co., Ky.
 Hagan, jr., Frank, Louisville, Ky.
 Morris, Herman, Louisville, Ky.

Nicholas, jr., Geo., Shelbyville, Ky.
 Pence, LaFayette S., Lebanon, Ky.
 Ritchie, Chas. G., Louisville, Ky.
 Shindler, George B., Elk Creek, Ky.
 Shrader, Jas. K., Pewee Valley, Ky.
 Wilson, E. K., Williamstown, Ky.

1890.

Allen, W. L., New Albany, Ind.
 Bowling, R. R., Green Mount, Ky.
 Eskridge, J. R., Hardinsburg, Ky.
 Field, T. McClanahan, Versailles, Ky.
 Heavrin, M. L., Rosine, Ky.
 Johnstone, R. E., Mayfield, Ky.
 Lavell, Wm. Joseph, Louisville, Ky.
 Miller, John C., Louisville, Ky.

Murphy, James C., Louisville, Ky.
 Richardson, B. D., Tompkinsville, Ky.
 Stafford, David B., Louisville, Ky.
 Taylor, T. D., Slippery Rock, Pa.
 Terrell, C. B., Bedford, Ky.
 Thomas, Wm. B., Louisville, Ky.
 Woodberry, John L., Louisville, Ky.

1891.

Barker, Thos. A., Taylorsville, Ky.
 Bell, Arthur R., Louisville, Ky.
 Bryd, A. F., Campton, Ky.
 Cason, P. E., Utzinger, Ky.
 Eddy, William, Louisville, Ky.
 McCormick, J. B., Charlestown, Ind.

McKay, Wallace A., Bardstown, Ky.
 Pulliam, Harry C., Louisville, Ky.
 Selligman, Alfred, Louisville, Ky.
 Shrewsberry, C. B., Louisville, Ky.
 Smith, J. Hickson, Memphis, Ind.
 Warfield, Benj. D., Louisville, Ky.

1892.

Broecker, F. J., New Albany, Ind.
 Faurest, L. A., Garnettsville, Ky.
 Gifford, Morris B., Louisville, Ky.
 Gocke, H. H., Louisville, Ky.
 Hardin, Rowan, Louisville, Ky.
 Isaac, Benjamin, Louisville, Ky.
 Kelleher, D. C., Louisville, Ky.
 Kilpatrick, George C., Louisville, Ky.
 Lasater, C. M., Louisville, Ky.

Lederman, S. A., Louisville, Ky.
 Lowry, Wm. W., Louisville, Ky.
 Lyon, Francis D., Louisville, Ky.
 McCoun, Ernest, Frankfort, Ky.
 Mitchell, Ed. D., Jeffersonville, Ind.
 Morris, Jas. Craik, Louisville, Ky.
 Welch, W. F., Welchburg, Ky.
 Young, R. E., McWhorter, Ky.

1893.

Bleakley, John T., Louisville, Ky.
 Cartmel, T. R., Louisville, Ky.
 Conway, Sam'l P., Westport, Ky.
 Dettlinger, Wm. L., Louisville, Ky.
 Foley, Jos. S., New Albany, Ind.
 Garnett, jr., James, Columbia, Ky.
 Huffaker, Jos. M., Louisville, Ky.
 Patrick, John, Jackson, Ky.
 Points, Wm. W., Mt. Zion, Ky.
 Polsgrove, Jas. H., Frankfort, Ky.

Ronald, Albert G., Louisville, Ky.
 Ross, Lafayette W., Lagrange, Ky.
 Sebastian, Jas. G., Booneville, Ky.
 Simonson, S. E., New Albany, Ind.
 Stone, Thos. E., Taylorsville, Ky.
 Wells, Y. P., Louisville, Ky.
 Wheeler, Wm. A., Oldham Co., Ky.
 Winslow, G. B., Carrollton, Ky.
 Young, Lawrence A., Louisville, Ky.
 Williams, W. I., Campbellsville, Ky.

1894.

Allan, Lafon, Louisville, Ky.	Humphrey, Edw. P., Louisville, Ky.
Beckham, Wm. T., Shelbyville, Ky.	Leopold, L. S., Louisville, Ky.
Bell, John A., Louisville, Ky.	Linn, Lilburn C., Murray, Ky.
Cosgrove, Peter J., Louisville, Ky.	Mix, Davies, Louisville, Ky.
Crider, Z. Johnson, Fredonia, Ky.	Mix, jr., Wm., Louisville, Ky.
Davis, E. H., Christiansburg, Ky.	Sanders, Jos. A., Zoneton, Ky.
Easley, Robert G., New Albany, Ind.	Schlegel, Ernest, Cutler, Ill.
Fackler, Calvin M., Danville, Ky.	Stradley, T. H., Jeffersonville, Ind.
Farnsley, Burrell H., Louisville, Ky.	Taylor, Shelby, Beaver Dam, Ky.
Furlong, Wm., Louisville, Ky.	True, W. M., Eureka Springs, Ark.
Gaines, Sidney, Petersburg, Ky.	Washer, Benj. F., Louisville, Ky.
Hall, Archie, Conner, N. Y.	Willett, Benj. F., Wolf Creek, Ky.
Heissman, Mark H., Louisville, Ky.	Yawger, John F., New York City.

1895.

Bullitt, Wm. Marshall, Louisville, Ky.	Morgan, Robt. E. L., Bedford, Ky.
Conkling, Jos. E., Louisville, Ky.	Parker, Andrew J., Williamsburg, Ky.
Davis, Maxwell, Louisville, Ky.	Snively, Theodore C., Louisville, Ky.
Goldsmith, N. L., Louisville, Ky.	Sprague, Ernest W., Louisville, Ky.
Linn, William, Murray, Ky.	Taylor, Chas. F., Louisville, Ky.
McHenry, Lem. H., Hartford, Ky.	Tyree, Millard, Ceredo, W. Va.
McKee, J. A., Louisville, Ky.	Walton, R. R., Petersburg, Ky.
McKnight, Stuart, Louisville, Ky.	Whitsett, R. B., Williamsburg, Ky.
Montgomery, H. C., Jeffersonville, Ind.	Williams, J. Lewis, West Point, Ky.
	Young, G. Chapman, Louisville, Ky.

1896.

Bacon, Ernst J., Louisville, Ky.	Selligman, Jos., Louisville, Ky.
Burton, Geo. L., Louisville, Ky.	Shreve, Hiram S., Louisville, Ky.
Forcht, jr., Fred., Louisville, Ky.	Smith, Harry A., Louisville, Ky.
Hubbard, Edward, Princeton, Ky.	Smith, Percy E., Louisville, Ky.
Levy, David S., Louisville, Ky.	Spindle, Wm. A., Louisville, Ky.
McKee, James A., Versailles, Ky.	Strother, Shelby F., Louisville, Ky.
Melcher, C. R., Carrollton, Ky.	Uhlen, Henry C., Louisville, Ky.
Ogden, Chas. F., Louisville, Ky.	Walker, W. R., Columbia, Ky.
Owens, Robt. W., Jeffersontown, Ky.	Watts, J. Richard, Louisville, Ky.
Reese, Kirk, Shelbyville, Ky.	

1897.

Barret, Mason Brown, Frankfort, Ky.	Bowser, Charles, Louisville, Ky.
Bethurum, L. W., Mt. Vernon, Ky.	Brent, George A., Louisville, Ky.
Bingham, Robert W., Louisville, Ky.	Bronner, Siegel, Louisville, Ky.
Bizot, Augustus J., Louisville, Ky.	Butts, Willard, Carrollton, Ky.
Bohlsen, George H., Louisville, Ky.	Chambers, Joseph K., Louisville, Ky.

Davidson, Jacob E., Beaver Dam, Ky.	Martin, E. E., Charlestown, Ind.
Edwards, jr., D. W., Versailles, Ky.	Moore, George A., Cynthiana, Ky.
Gaither, John W., New Albany, Ind.	Morris, John M., Louisville, Ky.
Hagan, Robert J., Louisville, Ky.	Musgrove, Charles H., Louisville, Ky.
Hawkins, James P., Louisville, Ky.	Peak, D. H., Bedford, Ky.
Helm, Thomas K., Louisville, Ky.	Remley, Henry F., Clinton, Ky.
Johanboeke, Charles, Louisville, Ky.	Solinger, Jacob, Jeffersonville, Ind.
Layman, J. R., Leitchfield, Ky.	Tevis, John, Louisville, Ky.
Lee, Howard B., Louisville, Ky.	VonStaaden, Louis A., Lexington, Ind.
Lyon, H. H., Louisville, Ky.	

1898.

Beckley, Pendleton Colston, Louisville, Ky.	McDowell, Robinson A., Louisville, Ky.
Clark, G. Garner, Louisville, Ky.	Murray, A. Gordon, New York.
Crawford, Shirley M., Louisville, Ky.	Page, Robert Lee, Louisville, Ky.
Everbach, Otto, New Albany, Ind.	Satterwhite, David C., Louisville, Ky.
Flexner, Bernard, Louisville, Ky.	Settle, Edwin R., Hopkinsville, Ky.
Gates, Lloyd W., Middletown, Ky.	Slattery, Emmet P., Louisville, Ky.
Gibson, Barret, Louisville, Ky.	Speed, Goodwin, Louisville, Ky.
Hallenberg, Robert, Louisville, Ky.	Ward, Herman S., Anchorage, Ky.
Haeberle, Chas. A., Louisville, Ky.	Wolf, Daniel K., Xenia, Ohio.
Kremer, J. Bruce, Louisville, Ky.	Zimmermann, Gerard E., Louisville, Ky.

1899.

Armstrong, Jas. H., Jeffersonville, Ind.	McDonald, Angus W., Charlestown, W. Va.
Barrickman, Wilhite C., Harrod's Creek, Ky.	Miller, John F., New Albany, Ind.
Bullitt, Alex. Scott, Louisville, Ky.	Newman, George A., Louisville, Ky.
Bullitt, Neville S., Louisville, Ky.	O'Connor, James C., Louisville, Ky.
Caldwell, Alfred M., Piner, Ky.	Paris, John M., New Albany, Ind.
Drury, George L., Morganfield, Ky.	Parker, Albert E., Louisville, Ky.
Edwards, J. P., Louisville, Ky.	Pickett, George G., Finchville, Ky.
Fitzgerald, Jas. J., Louisville, Ky.	Prosser, Charles Allen, New Albany, Ind.
Gilmour, Alexander, Louisville, Ky.	Reschar, George W., Jeffersonville, Ind.
Hampton, Irvine S., Louisville, Ky.	Rouse, Arthur B., Burlington, Ky.
Head, Vincent R., New Hope, Ky.	Scott, John M., Frankfort, Ky.
Hubbard, Walter Q., Hartford, Ky.	Sweeney, William E., Paris, Ky.
Johnson, Henry M., Louisville, Ky.	Sherman, Isaac, New Albany, Ind.
Kahn, Nathan I., Bowling Green, Ky.	Waddell, Robert B., Louisville, Ky.
Kaiser, Ed. F. W., Louisville, Ky.	White, John M., Marietta, O.
Marrett, A. M., Louisville, Ky.	

1900.

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| Bacon, Leonard, Louisville, Ky. | Miller, Warwick, Louisville, Ky. |
| Barbour, W. B., New Castle, Ky. | O'Neal, Merrit D., Louisville, Ky. |
| Bonnycastle, Arthur C., Jefferson
County, Ky. | Parks, Geo. D., Jeffersonville, Ind. |
| Brooks, Jos. C., Central City, Ky. | Phelps, Lilburn, Jamestown, Ky. |
| Dailey, Geo. A., Louisville, Ky. | Quin, C. Houston, Anchorage, Ky. |
| Dale, Wm. Pratt, Louisville, Ky. | Rau, Albert S., Louisville, Ky. |
| Diefenbach, Fred, Louisville, Ky. | Reverman, August C., Louisville, Ky. |
| Doolan, Wm. L., Finchville, Ky. | Roberts, T. B., Shelby County, Ky. |
| Field, Wm. H., Crescent Hill, Ky. | Sapinsky, Joseph, Louisville, Ky. |
| Gohmann, Fred J., New Albany,
Ind. | Sea, Andrew M., Louisville, Ky. |
| Hamilton, Lee, Shepherdsville, Ky. | Shanahan, J. I., Louisville, Ky. |
| Jones, Dudley C., St. John, Ky. | Stuart, Charles K., Louisville, Ky. |
| Lindenberger, J. H., Louisville, Ky. | Underwood, Elmer C., Louisville, Ky. |
| Letterle, John M., Louisville, Ky. | Wirgman, Menifee, Louisville, Ky. |
| McDonald, E. L., New Castle, Ky. | White, A. E., Jeffersonville, Ind. |
| | Wilson, Bunyan S. Morehead, Ky. |
| | Zollman, Charles, Oregon, Ind. |

1901.

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|---------------------------------------|---------------------------------------|
| Attkisson, Eugene R., Beechmont, Ky. | Jungbluth, Karl, Jr., Beard, Ky. |
| Bensing, Arthur B., Louisville, Ky. | Kavanaugh, J. J., Louisville, Ky. |
| Crawford, William W., Louisville, Ky. | Krieger, Robert N., Louisville, Ky. |
| Fairleigh, James F., Louisville, Ky. | Redwine, Leonidas Y., Sandy Hook, Ky. |
| Gilbert, R. W. E., Shelbyville, Ky. | Sandusky, Lewis W., Versailles, Ky. |
| Gnau, P. J., Louisville, Ky. | Speckert, Frank J., Louisville, Ky. |
| Hale, William T., Louisville, Ky. | Steinfeld, Emile, Louisville, Ky. |
| Hickman, Lindley A., Shelbyville, Ky. | Steuerle, Louis F., Louisville, Ky. |
| Howes, C. W., Paintsville, Ky. | Tilford, Henry J., Louisville, Ky. |
| Hungarland, G. E., Louisville, Ky. | Watkins, Boyce, Louisville, Ky. |
| Johnson, W. R., Ensor, Ky. | Weaver, J. B., Beechmont, Ky. |

1902.

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| Bagby, Roy A., Louisville, Ky. | Hopkins, Arthur E., Lexington, Ky. |
| Barnett, Morris, Jeffersonville, Ind. | Jesse, William D., Versailles, Ky. |
| Bloomfield, Edward, Louisville, Ky. | Larrimore, C. B., Munfordville, Ky. |
| Boyd, John W., Hodgenville, Ky. | Lindenberger, Emory H., Louisville, Ky. |
| Buchanan, Anselan, Crescent Hill, Ky. | O'Connor, Wm. J., Louisville, Ky. |
| Buck, Charles N., Louisville, Ky. | Perry, Wm. A., Louisville, Ky. |
| Castleman, David P., New Castle, Ky. | Reisch, Charles, Louisville, Ky. |
| Chilton, James M., Louisville, Ky. | Ridgeway, Lindsay, Pitt's Point, Ky. |
| Dinwiddie, Clar. B., Louisville, Ky. | Ripy, Francis, Lawrenceburg, Ky. |
| Graham, H. J., Buffalo, Ky. | Sanders, Henry W., Buffalo, Ky. |
| Greenstein, Max I., Louisville, Ky. | Schoberth, H. A., Versailles, Ky. |
| Harris, Maurice, Morganfield, Ky. | Shaw, Harry A., Louisville, Ky. |
| Harwood, B. M., Crescent Hill, Ky. | Turner, J. W., New Castle, Ky. |
| Hathaway, Milton S., Louisville, Ky. | Withers, L. Frank, Muldraugh, Ky. |
| Hemphill, James, Louisville, Ky. | Wooldridge, Powhatan J., Louisville, Ky. |
| Hite, A. H., Lyndon, Ky. | |

1903.

Arnold, J. O., Versailles, Ky.	Klemm, Edward G., Louisville, Ky.
Bond, James R., Louisville, Ky.	Kohn, Walter, Louisville, Ky.
Caldwell, Hamilton P., Louisville, Ky.	Kopp, George C., Jeffersonville, Ind.
Cobb, Charles H., Ripley, Tenn.	Meguire, Kenneth U., Louisville, Ky.
Clark, J. Ballard, Lagrange, Ky.	Myers, John R., Louisville, Ky.
Commingor, L., Louisville, Ky.	O'Neal, Joseph T., Jr., Louisville, Ky.
Curtis, LeRoy, Mortonville, Ky.	Pirtle, William B., Louisville, Ky.
Dowling, Wm. E., Lawrenceburg, Ky.	Richards, J. Donald, Delaplane, Va.
Greene, Samuel W., Lyndon, Ky.	Washer, Benjamin S., Louisville, Ky.
Hill, Edward G., Louisville, Ky.	Wolf, Stanley R., Louisville, Ky.

1904.

Bullitt, Keith L., Louisville, Ky.	Northcutt, Wm. Allen, Louisville, Ky.
Burke, Robert T., Louisville, Ky.	Pulverman, Moses, Louisville, Ky.
Courtenay, T. A., Jr., Louisville, Ky.	Quin, Clinton S., Louisville, Ky.
Fields, Felix G., Whitesburg, Ky.	Ruby, H. D., Madisonville, Ky.
Fields, R. Monroe, Whitesburg, Ky.	Searcy, Chesley Hunter, Louisville, Ky.
Hardy, William D., Olney, Ill.	Solinger, Joseph, Louisville, Ky.
Kinney, William Rumsey, Louisville, Ky.	Strother, James McClellan, Louisville, Ky.
Knopf, Peter Cooper, Louisville, Ky.	Walter, Herbert Earl, Kingman, Kan.
Kremer, Alfred Chester, Louisville, Ky.	Weaver, B. Perry, Louisville, Ky.

1905.

Alexander, Hollie Witherspoon, Corinth, Ky.	Nuckols, Alfred, Versailles, Ky.
Cole, Robert Willis, Jeffersontown, Ky.	O'Neal, Goodloe, Louisville, Ky.
Crockett, Joseph Pryor Foree, Shelbyville, Ky.	Poston, Lawrence S., Louisville, Ky.
Fulton, Stephen G., Bardstown, Ky.	Reid, O. Leon, Louisville, Ky.
Hammerschmidt, Louis Martin, New Albany, Ind.	Sachs, David A., Jr., Louisville, Ky.
Hagan, John Finzer, Peru, Ky.	Skaggs, Boyce Hodges, Coakley, Ky.
Kerrick, Felix, Louisville, Ky.	Taylor, Cary Blackburn, Louisville, Ky.
Lapp, Walter Scott, Louisville, Ky.	Thurman, David B., Taylorsville, Ky.
Molony, Alvin Fisher, New Orleans, La.	Walsh, Austin Edward, Alpine, Ind.
	Ward, Frank L., Louisville, Ky.
	Wight, William A., Louisville, Ky.

1906.

Campbell, Walter G., Lexington, Ky.	Pangburn, M. E., Charlestown, Ind.
Chappell, William F., Louisville, Ky.	Semonin, Paul F., Louisville, Ky.
Cooper, Nathan A., Springfield, Ky.	Shackelford, James A., Fincastle, Ky.
Conkling, Roscoe, Louisville, Ky.	Smith, Lothair, Cedar Chapel, Tenn.
Finck, E. Bert, Louisville, Ky.	Terry, Parker S., Louisville, Ky.
Gray, Roscoe Conkling, Pikeville, Ky.	Trusty, Samuel L., New Albany, Ind.
Huffaker, Walter Edgar, Louisville, Ky.	Webster, Bradford, Waterbury, Conn.
Lee, Joseph M., Louisville, Ky.	Young, Archibald B., Christiansburg, Ky.
Lewis, John G., Louisville, Ky.	
Manly, John, Louisville, Ky.	

1907.

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|--|--------------------------------------|
| Allen, Grover C., Lee City, Ky. | McGuire, Henry S., Beattyville, Ky. |
| Allison, W. B., Jeffersonville, Ind. | Neuman, Ernest H., Huntingburg, Ind. |
| Fox, Henry I., Louisville, Ky. | Nentzel, Carl R., New Albany, Ind. |
| Gaunt, Wm. W., Louisville, Ky. | Pirtle, Henry, Jr., Louisville, Ky. |
| Gordon, Everett G., New Albany, Ind. | Polin, Joseph O., Springfield, Ky. |
| Howard, Jonas G., Jeffersonville, Ind. | Popham, Arthur C., Louisville, Ky. |
| Johnson, J. E. C., Tallega, Ky. | Ruby, Charles A., Louisville, Ky. |
| McCoy, Hayes, Pleasant, Ky. | Wells, James K., Paintsville, Ky. |

1908.

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|-------------------------------------|-------------------------------------|
| Barber, Omar W., Wyoming, Ky. | Hulskamp, J. T. H., Louisville, Ky. |
| Bizot, Ray, Louisville, Ky. | Jones, Stephen S., Louisville, Ky. |
| Cummins, W. R., Louisville, Ky. | Krieger, Alfred C., Louisville, Ky. |
| Davis, Adolph M., Frankfort, Ky. | Smith, Harry E., Louisville, Ky. |
| Harrison, Ben O., Louisville, Ky. | Stites, John H., Louisville, Ky. |
| Hughes, Wallace T., Louisville, Ky. | Tartar, Jerome T., Somerset, Ky. |

1909.

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|---------------------------------------|--|
| Blaydes, R. Dudley, Bagdad, Ky. | Lucas, Robert H., Louisville, Ky. |
| Brennan, N. B., Louisville, Ky. | Milner, Charles W., Louisville, Ky. |
| Burkholder, J. W., Louisville, Ky. | McDonald, Byron S., Louisville, Ky. |
| Cook, John M., Louisville, Ky. | Patch, Charles W., Jackson, Mich. |
| Dick, Albert C., Louisville, Ky. | Poindexter, Henry C., Jeffersonville, Ind. |
| Lenihan, Joseph L., Louisville, Ky. | Polin, Jno. A., Springfield, Ky. |
| Levi, Emanuel, Louisville, Ky. | Weller, David E., Louisville, Ky. |
| Logan, Robert C., Christiansburg, Ky. | |

1910.

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|---------------------------------------|--------------------------------------|
| Ames, Ernest F., Louisville, Ky. | Greene, L. D., Louisville, Ky. |
| Binkley, H. P., Mt. Joliet, Tenn. | Moss, Forest, Louisville, Ky. |
| Bulliet, Eugene F., New Albany, Ind. | O'Neal, Emmet, Louisville, Ky. |
| Deckel, Charles, Jr., Louisville, Ky. | McMullen, Horace J., Louisville, Ky. |
| Dougherty, Frank J., Louisville, Ky. | Ratliff, A. L., Hellier, Ky. |
| Fryrear, Owen B., Elizabethtown, Ky. | Speckman, L. F., Louisville, Ky. |
| Gentry, E. R., Broadhead, Ky. | Stites, Harry P., Louisville, Ky. |
| Helm, James P., Jr., Louisville, Ky. | |

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| Brown, Conn, Mt. Vernon, Ky. | McBride, Claude Burton, Jeffersonville, Ind. |
| Dailey, Eugene M., Louisville, Ky. | Ogden, Edmond Rose, Louisville, Ky. |
| Feland, John Caldwell, Hopkinsville, Ky. | Ragsdale, George Tilden, Louisville, Ky. |
| Gardner, Charles Turner, Louisville, Ky. | Sachs, Benjamin Helburn, Louisville, Ky. |
| Hamilton, B. Kirk, Louisville, Ky. | Stites, Henry J., Hopkinsville, Ky. |
| Harris, William Overton, Louisville, Ky. | Todd, Grover Cleveland, Jeffersonville, Ind. |
| Landrum, Baylor, Louisville, Ky. | Turpen, Zachariah, Boonville, Ind. |
| Lett, James Wilbur, Lamar, Okla. | |
| Mackey, Edward Joseph, Louisville, Ky. | |

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| Beutel, Clarence A., Louisville, Ky. | McElhinny, W. Dunbar, Wilmington, Del. |
| Booker, Bodley, Louisville, Ky. | McMeekin, Samuel H., Louisville, Ky. |
| Bowling, Justus Tucker, Louisville, Ky. | Sachs, Joseph G., Jr., Louisville, Ky. |
| Cummings, Sid. C., Derby, Ind. | Scott, Ralph A., Sellersburg, Ind. |
| Early, Walter B., Louisville, Ky. | Slaughter, Joseph C., Hopkinsville, Ky. |
| Headley, James D., Louisville, Ky. | Sweeney, Jas. W., Jr., Jeffersonville, Ind. |
| McBryde, Robert J., Jr., Louisville, Ky. | Tartar, Chris. L., Somerset, Ky. |
| McDonald, Charles Howard, Louisville, Ky. | Weinmann, Gustav E., New Albany, Ind. |



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